SUBJECT INDEX

ABDOMEN, Acute abdominal disasters, 108; simulation of gall-bladder disease by intercostal neuralgia of wall of, 192, 284; acute conditions of, complicated by ileus or septic invasion of peritoneum, 195; prevention of postoperative peritonitis and adhesions in, 276; abdominal aneurism, 312; pain in, associated with throat infection in children and appendicitis, 387; relation of surgical pathology of right lower quadrant of, to arthritis, 411; hæmorrhage of, in males, 475

Abortion, Therapeutic, with special reference to methods of induction, 204; indications for interruption of pregnancy, 296, 482; induction of, in syphilis, 297

Abscesses, Etiology and clinical aspects of perinephritic, 209. *See also* names of organs

Accommodation, Changes in fovea during, 448

Achylia, Relation of chronic gastritis to, 101

Acid, Burns of eye due to, 357

Actinomycosis, Deep, of neck and mediastinum, 362; of duodenum and jejunum, 385; treatment of mycetoma resembling, 511

Actinotherapy, Fundamentals and clinical aspects of light treatment with especial relation to tuberculosis, 58; light treatment at London Hospital, 315

Adolescence, Developmental changes during, 32

Adrenalectomy, *See* Suprarenalectomy

Adrenalin in treatment of contraction ring dystocia, 206

Alcohol, Influence of, on ovarian activity, prenatal mortality, and sex ratio in mice, 403

Alkali, Burns of eye due to, 357; cure of gastric and duodenal ulcer with, 465

Amenorrhœa, Repeated pregnancy after induction of, by roentgen irradiation of ovaries, 116

Amniotic fluid, Quantitative variability of, 116

Amyl nitrite as antispasmodic in roentgen examination of gastro-intestinal tract, 380

Anæmia, Splenectomy in pernicious, 474

Anæsthesia, Spinal, in intestinal occlusion, 19, 21; in urological surgery, 46; nitrous oxide, in Germany, 57; permanent nerve disturbances resulting from spinal, 229; evaluation of methods in obstetrical, 297; nitrous oxide, in obstetrics, 297; rectal administration of ether and oil, and morphine, magnesium sulphate, and ether in surgery and obstetrics, 313; in thyroid surgery, 451; morphine and magnesium sulphate infiltrations and colonic ether instillations in labor, 484; preliminary medication in general, with special reference to margin of safety and postoperative lesions of lung, 508; position of spinal, 509

Analgesia, Evaluation of methods in obstetrical, 297

Aneurism, Of external iliac artery with rapid evolution treated by extirpation of sac after high ligation of artery, 52; abdominal, 312; arteriovenous, 500, 501; treatment of, 501, 502

Angina pectoris, Microscopic study of superior cervical sympathetic ganglion in, 271

Angioid streaks, In fundus oculi, 448; of retina, 448

Ankle, Treatment of fractures of, by Delbet ambulatory plaster splint, 499

Antiseptics, Value of, in modern ophthalmic surgery, 261

Antrum of Highmore, Malignant neoplasms of, 7; intranasal surgical treatment of chronic maxillary sinusitis, 361; varying symptomatology of chronic maxillary sinusitis depending on pathology present, 263

Aorta, Aneurism of abdominal, 312; rupture of, during labor, 485

Appendectomy, Empyema in auto-amputated appendices after, 106

Appendicitis, Gynecological considerations in chronic, 283; etiology and sequelæ of chronic, 283; diagnostic difficulties in chronic, 283; symptomatology and diagnosis of chronic, 283; chronic pseudo, due to intercostal neuralgia, 284; postoperative complications of suppurative, 285; abdominal pain of throat infections in children and, 387; strictly mechanical obstruction of intestine without abscess or peritonitis in course of initial attack of, 387; acute, in aged, 472

Appendix, Empyema in auto-amputated, after appendectomy, 106; pseudomyxoma peritonei associated with ruptured ovarian cyst and disease of, 379; relative frequency of various positions of, 472

Arachnoiditis, Unilateral pachymeningitis and, 454

Arteries, Arterial hypertension and retinal changes, 88; discordance between local hyperthermia following sympathetic neurotomies and circulation in, 137; diagnosis and treatment of disease of, of extremities, 311; immediate effect of ligation of, 505; saline wheal test as measure of blood supply in disturbances of, of extremities, 505

Artery, Bilateral prepapillary vascular loop of retinal, 4; arterial spasm and occlusion of branches of central, of retina, 5; aneurism of external iliac, with rapid evolution treated by extirpation of sac after high ligation of, 52; ligation of femoral, below origin of profunda femoris in obliterative endarteritis of leg, 55; injections of substances opaque to roentgen ray into carotid, 136; physiological and histological study of circulatory conditions in left lower extremity in case in which femoral, was ligated in 1870, 137; embolism of retinal, 175; effect of sympathectomy of hepatic, on wound healing and on biligenic and glycogenic function of liver, 287; successful Trendelenburg operation for embolism of pulmonary, 504

Arthritis, Rheumatoid, a deficiency disease, 47; relation of surgical pathology of right lower quadrant to, 411; gonorrhœal, 411; second-type, in shoulder, 412

Arthrodesis, 305, 498; indications, technique, and results of sacro-iliac, 417

Aspergillus, Granuloma due to, invading orbit, 174

Astragalus, Treatment of fractures of, 310

Atelectasis, Primary carcinoma of lung showing, and pleural effusion, 12; postoperative pulmonary, 457

Atlas, Simple rotary dislocation of, 221

Auditory nerve, Herpes zoster oticus, 175; deaf-mutism due to bilateral lesion of auditory sensory areas, 175

Axilla, Connections between pleura and lymphatic glands of, 376

Azotæmia in surgery, 506

BACK, Low sprain of, 305

Backache due to seminal vesiculitis and prostatitis, 45

Basedow's disease, *See* Goiter

Bile duct, Importance to surgery of cystic, 29; stasis of common, revealed by tetra-iodophenolphthalein test in patient who had been subjected to cholecystectomy, 194; effects of obstructive lesions of common, of liver, 390; congenital cystic dilatation of common, 474

Bile ducts, Side-tracking operations for obstruction of, 107; known results of radical operations in carcinoma of, 288; transverse incision in operations on bile tract, 289; diseases of liver and, 388
Biliary tract, Use of transverse incision in operations on, 289
Bilirubin, In blood in ectopic pregnancy, 294; concentration of, by gall bladder, 391
Billroth II operation, Effect of, on function and structure of pancreas and intestinal absorption, 18
Bladder, Early diagnosis of pedicled villous cancer of, 40; treatment of carcinoma of, by radium irradiation, 41; calcareous concretions probably of ovarian origin simulating calculi of, 112; transplantation of ureters into bowel to secure sphincteric urinary control in incurable vesicovaginal fistula, 113; studies on ureter and, with especial reference to regurgitation of contents of, 125; curve of pressure in, in man, 125; inflammatory lesions of, simulating neoplasm, 125; changes in, in cancer of uterus treated by irradiation, 126; complete closure of, following prostatectomy, 127; poliomyelitis involving urinary tract, 128; ureterovaginal and vesicovaginal fistulæ combined, 293; congenital hypertrophy of neck of, 302; surgery of epithelial tumors of, 303; wounds of, with very slight symptoms, 405; hæmaturia due to varices of, associated with pelvic varicocele cured by resection of varicocele, 406; gradual decompression of, with ureteral catheter, 406; treatment of tumors of, with physical agents, 406; seven-year cure of cancer of, by radium, 407; traumatic rupture of, in children, 492; cause of renal backpressure in obstructive lesions of neck of, 493; formation of calculi in, 493; diversion of urine in incurable tuberculosis of, 493
Blastomycosis, Etiology and clinical varieties of, 511
Blood, Examinations of, of patients with carcinoma of uterine cervix during treatment with radium, 198; bilirubin in, in ectopic pregnancy, 294; comparative chemical studies of ocular fluids, cerebrospinal fluid, and, 357; physiological changes concerned in production of characteristic chemical reactions of, in toxæmia associated with duodenal fistula, 386; clinical data obtained with test for female sex hormone in, 478; practical value of chemical analysis of, in urological conditions, 495; saline wheal test as measure of supply of, in arterial disturbances of extremities, 505
Blood pressure, Arterial hypertension and retinal changes, 88
Blood transfusion, In childhood, 55; determination of compatibility in bloods, 137; general sepsis of otitic origin treated by, and germicidal dye, 361
Blood vessels, Vascular patterns of tumors, 143; visualization of, 225; collateral circulation in diseases of, of lower extremities, 225; importance of vascular permeability in therapeutic use of roentgen rays and radium in malignant disease, 230; toxæmias of pregnancy in relation to chronic cardiovascular and renal disease, 295; gangrene of extremities following subcutaneous rupture of, by dull force, 311; surgical application of vascularization of tunics of left part of colon, 472
Bone, Phenomena of early stages in repair of, 409; technique of use of grafts of, in non-union, 420
Bones, Treatment of osteosarcomata by physical agents, 130; metastases of carcinoma of lung in, 410; so-called endotheliomata of, 410; anatomico-roentgenological differential diagnosis of syphilis and fibrous dystrophy of long, 410; differentiation of osteitis deformans and osteoplastic metastatic carcinoma, 498; damages to, and reputations, 499
Brachial plexus, Injury of two upper roots of, during laparotomy with patient in Trendelenburg position, 10; relation of distribution of sympathetic rami to, to sympathectomy affecting upper extremity, 369; complete obstetrical paralysis of, and right phrenic nerve in infant two and one-half months old, 402; nerve block of, 509
Brain, Occurrence of brain tissue in nose, 89; chronic subdural hæmatoma, 94; reaction of neuroglia and microglia to wounds of, 179; indirect injury of, treated by trephination one and one-half years ago, 267; diagnosis and management of intracranial complications of otitic origin, 267; mechanical factor in causation of choked disk in intracranial lesions, 267; radiology as aid in diagnosis of intracranial lesions, 268; ocular phenomena produced by basal lesions of frontal lobe of, 365; ventricular punctures, 365; tumors of, and syphilis, 365; malignant intracranial endotheliomata, 366; roentgenography of third ventricle, 453; use of hypertonic solutions in treatment of increased intracranial pressure, 453; traumatic cerebral hernia, 453; treatment of tumors of, by irradiation, 453; structure and formation of interstitial tissues of central, 456; vital staining of Del Rio Hortega's microglia and its application in diagnosis of focal processes and tumors of central nervous system, 456
Breast, Treatment of cancer of, with and without subsequent roentgen treatment, 11; study of malignant, by whole section and key-block section methods, 11; technique of postoperative roentgen irradiation of carcinoma of, 96; roentgen-surgical treatment of cancer of, 96; X-rays and radium in treatment of cancer of, 96; treatment of cancer of, by X-rays after operation, 182; parasternal invasion of thorax in cancer of, and its suppression by use of radium tubes as operative precaution, 272; adenofibroma and fibro-adenoma of female, 272; late results of operation for carcinoma of, 272; surgical diathermy in cancer of, 371
Breech presentation, Results of, and prophylactic external cephalic version during pregnancy, 36
Bronchi, Iodism following injection of lipiodol into, 11; action of cough on material in tracheobronchial tract, 371; infection of lymph nodes of, 371; results of treatment by artificial pneumothorax in non-tuberculous bronchopulmonary suppurative lesions, 373
Bronchiectasis, Diagnosis and treatment of, 98
Bronchography, Technique of, with iodized oil, 457
Bronchoscopy, Value of oxygen following, in children, 273; abscess of lung relieved by, 373
Buerger's disease, *See* Thrombo-angiitis obliterans

CÆCOPEXY, Value of, in treatment of constipation, 282
Cæcoplicature, Value of, in treatment of constipation, 282
Cæcum, Volvulus of, 106; tuberculosis of retrocæcal glands, 283; relation of surgical pathology of right lower quadrant to arthritis, 411; adenocarcinoma of, 471
Cæsarean section, Rupture of uterus after, 36, 399; abuse of, 117; indications and limitations of, 205; partial symphysiotomy as compared with, in contracted pelvis, 297; low, by extraperitoneal route following rupture of membranes with infection, 401; subcutaneous exteriorization of uterine incision after late, 486
Calcaneum, Treatment of fractures of os calcis by arthrodesis of subastragalar joint, 422
Calcification, Deposition of calcium salts in areas of, 61; growth factor in defective, 287
Calcium, Deposition of salts of, in areas of calcification, 61
Callus, Experimental study of internal, 309

Cancer, Colloidal lead in treatment of, 60, 142, 316; nature of, 141; studies in incidence and inheritability of spontaneous tumors in mice, 141; changes in histological structure of, following section of its sensory nerve supply and influence of this neurotomy on course of various pathological processes, 142; value of intravenous injections of dextrose during radiation treatment of malignant disease, 230; importance of vascular permeability in therapeutic use of roentgen rays and radium in malignant disease, 230. *See also* names of organs
Carbon dioxide, Control of hiccup by inhalations of, 196
Carbuncles, Treatment of, 345
Carcinoma, *See* Cancer and names of organs
Cardiospasm, 186; findings with barium bougie in, 377
Carotid artery, Injection of substances opaque to roentgen rays into, 136
Cataract, Extraction of, 4; plea for variety in surgical treatment of congenital, 260; loss of vitreous in extraction of, 260; comparative results obtained by combined, simple, and Knapp-Torok methods of extraction of, 260; non-operative treatment of, 358; lens-antigen treatment of, 358; and postoperative tetany, 447
Catgut, As source of fatal operative wound infection yielding pathogenic anaerobe of gas-gangrene group not hitherto described, 313
Catheter, Cystitis not due to, 493
Cerebellum, Roentgenological visualization of, 365
Cerebrospinal fluid, Comparative chemical studies of ocular fluids, blood, and, 357
Chest, Intrathoracic tumors, 15; X-rays in diagnosis of intrathoracic growths, 185; parasternal invasion of, in breast cancer and its suppression by use of radium tubes as operative precaution, 272; value of lateral exposure in roentgen examination of, 459
Child, Separation of mother and, and means of preventing it, 488
Choked disk, *See* Papillœdema
Cholangeitis following cholecystenterostomy, 392
Cholecystectomy, Common-duct stasis revealed by tetraiodophenolphthalein test in patient who had been subjected to, 194; without drainage, 288
Cholecystenterostomy, Cholangeitis following, 392
Cholecystitis, Importance of, in production of symptoms of diverticula and duplicature of duodenum, 21; masked recurring, without stones, 193; external function of pancreas in, and gastroduodenal ulcer by simple and fractional examination of duodenal juice, 194; bacteriology of, 391
Cholecystoduodenostomy, Experimental study of cholecystogastrostomy and, 28; side-tracking operations for bile-duct obstruction, 107
Cholecystogastrostomy, 28; experimental study of cholecystoduodenostomy and, 28; side-tracking operations for bile-duct obstruction, 107; in acute hepatic degeneration, 389
Cholecystography, New iodine compound for, 27; toxic effects of dyes used for, 391; concentration of media for, by gall bladder, 391
Choledocho-enterostomy, Side-tracking operations for bile-duct obstruction, 107
Choledochus, *See* Bile duct
Cholelithiasis, *See* Gall stones
Chordotomy, Technique of, 366
Chromoma of forearm, 316
Circulation, Discordance between local hyperthermia and arterial, following sympathetic neurotomy, 137; collateral, in blood-vessel diseases of lower extremities, 225; fate of foreign bodies in venous, 225; direct observation of, in living liver, 287; study of placental, in multiple pregnancies by stereoroentgenographic method, 399
Cleft lip, *See* Harelip
Cleft palate, Treatment of, by operation, 90; cause of failure of repair of, in infants and its prevention, 91; importance of pediatric care in operative treatment of, 176; surgical correction of, 176
Club-foot, Elastic treatment of, 416
Club-hand, Congenital ulnopalmar, with subluxation of fingers, 130
Cold, Test of shock from, in hæmolytic icterus, 195
Colectomy, Place of, in treatment of constipation, 105, 282
Colitis, Treatment of chronic ulcerative, 386; bacterial etiology of chronic ulcerative, 471
Colon, Symptomatology and diagnosis of cancer of large bowel, 23; interposition of small bowel segments between divided ends of, 24; result after fourteen years of right hemicolectomy for fæcal stasis, 105; clinical aspects and pathology of polyps of, and their clinical and pathologico-anatomical relationship to carcinoma of, 281; progress in field of carcinoma of, 282; cancer of pelvic, and rectum, 286; pathogenic, 386; relation of surgical pathology of right lower quadrant to arthritis, 411; gastrojejunal ulcers and fistulæ of stomach, jejunum, and 464; vascularization of tunics of left part of, 472
Colostomy, Discussion on, 22
Conjunctivitis, Parinaud's, 447
Constipation, Result of right hemicolectomy for fæcal stasis, 105; value of cæcopexies and cæcoplicatures in, 282; place of colectomy in treatment of, 282
Corpus luteum, Relation of graafian follicle and, to pathological uterine hæmorrhage, 114
Cough, Action of, on material in tracheobronchial tract, 371
Cranial nerves, Palsies of, in otitis media, 175; syndrome of unilateral paralysis of all, 179
Cystic duct, *See* Bile duct
Cystitis, Catheter, a misnomer, 493
Cystography, 406; as aid to diagnosis of pelvic lesions in female, 397
Cysts, Pathology and treatment of dentigerous, 2; lymphatic origin of certain cystic formations in pelvis following total castration of female, 115; colossal hydatid, 511. *See also* names of organs

DEAF-MUTISM due to bilateral lesion of auditory sensory areas, 175
Deafness, Relation of vitamine-deficient diet to, 5; progressive middle-ear, 88; otolaryngological phase of focal infection, 262; national investigation of otosclerosis, 361
Degastro-enterostomization, 467
Dentigerous cysts, Pathology and new treatment of, 2
Dextrose, Value of intravenous injections of, during radiation treatment of malignant disease, 230; prevention of peritoneal adhesions and encapsulation by hypertonic solution of, 275
Diabetes, And pregnancy, 399; pancreatic cyst associated with, 474
Diaphragm, Thoracoperitoneal operation for hernia of, 31; inflammatory diseases of, 196; hernia of, 475
Diarthroses, Articular mechanism of, 411
Diathermy, Value of, in treatment of roentgen ulcerations, 58; use of surgical, for malignant tumors in anterior air passages, 263; application of heat by, in iridocyclitis, 358; surgical, in breast cancer, 371; in treatment of benign and malignant lesions of uterine cervix, 393

Diet, Search for low residue, 468
Digestion, Effect of loss of stomach on physiology of, in man, 103
Drop-foot, New operation for, 132
Duodenum, Perforation of ulcers of, 16, 21; primary resection of stomach in perforating ulcer of, 17; importance of cholecystitis in production of symptoms of diverticula and duplicature of, 21; perforated duodenal ulcer in child eleven years of age, treated by gastroduodenal resection with recovery, 21; spontaneous rupture of gall bladder into, 28; peptic ulcer, 101; part played by infection in development of certain gastroduodenal ulcers, 102; surgery for ulcer of, 102, 465; choice of operations for peptic ulcer, 102; ulcer of, 104; fistula of, following nephrectomy, 123; results of twenty-five years' operative treatment of ulcer of, 186; partial gastrectomy versus gastro-enterostomy in treatment of ulcer of, 187; relation of application of clamps on gastro-intestinal tract to acute traumatic ulcers of small intestine, 191; external function of pancreas in cholecystitis and gastroduodenal ulcer by means of simple and fractional examination of juice of, 194; diverticula of, 280; ulcer of, in female, 281; retroperitoneal hæmatoma after resection of, 281; use of amyl nitrite as antispasmodic in roentgen examination of gastro-intestinal tract, 380; concomitant ulcer of stomach and, two and one-half years after operation, 381; management of lesions of stomach and, complicated by hæmorrhage, 381; results of operation for ulcer of, in physicians, 381; regurgitation from, as factor in neutralization of gastric acidity, 384; actinomycotic ulceration of, and jejunum, 385; ulcer of, with snail stomach and partical insufficiency of pylorus, 385; tendency toward recurrent peptic ulceration following gastro-enterostomy for ulcer of, 385; physiological changes concerned in production of characteristic chemical reactions of blood in toxæmia from fistula of, 386; elective localization of streptococci isolated from cases of peptic ulcer, 461; mechanism of pain production in peptic ulcer, 462; inflammatory and toxic factors in pathology of gastroduodenal ulcer, 462; cure of ulcers of, by intensive alkaline treatment, 465; rupture of bowel at juncture of, and jejunum, 469; compression of, 469; ileus of afferent loop after resection of stomach for ulcer of, and megaduodenum, 470; generalized peritonitis due to perforation of, cured by Mikulicz drainage, 470
Dura mater in cranial decompressive operations, 366
Dystocia, Treatment of contraction-ring, with adrenalin, 206

EAR, Pediatric aspects of otolaryngology, 5; heliotherapy in tuberculosis of middle, 6; lymphatics of, 88; progressive middle-ear deafness, 88; otolaryngological phase of focal infection, 262; diagnosis and management of intracranial complications of otitic origin, 267; treatment of general sepsis of otitic origin by blood transfusion and germicidal dye, 361
Echinococcosis, Value of certain clinical signs and laboratory examinations in diagnosis of, 60; colossal hydatid cysts, 511
Eclampsia, Treatment of, with magnesium sulphate, 296; chronic nephritis, accidental hæmorrhage, and, 483
Elbow, Treatment of acute comminuted fractures about, 133
Electrocoagulation, Treatment of tumors of bladder with physical agents, 406
Embolectomy, As method of treating embolic functional disturbances of extremities, 503; successful Trendelenburg operation foi embolism of pulmonary artery, 504
Embolism, Of retinal artery, 175; embolectomy as method of treating embolic functional disturbances of extremities, 503; fulminant postoperative, 503; successful Trendelenburg operation for, of pulmonary artery, 504
Embryo, Effects of roentgen rays on development of, of hen, 208
Emphysema, Respiratory, in labor, 205
Empyema, Chronic, 98; treatment of, in children by closed method and suction drainage, 98; in auto-amputated appendices after appendectomy, 106; problem of, 376; tuberculous, 377; in children, 377
Encephalography, Treatment of chronic meningeal post-traumatic headache by lumbar air insufflation for, 270
Endarteritis obliterans, Suprarenalectomy in juvenile, 54; ligation of femoral artery below origin of profunda femoris in treatment of, of leg, 55
Endocarditis, Acute, in pregnancy and puerperium, 250
Endocrine glands, Action of X-rays on, 60; ovarian dysfunction dependent upon abnormalities of, 479
Endocrine therapy, 511
Endometrioma of Umbilicus, 460
Endometriosis, Peritoneal, due to menstrual dissemination of endometrial tissue into peritoneal cavity, 201; of intestine, 384
Enteritis, Fatal dysenteric, after gastro-enterostomy or gastric resection for ulcer of stomach, 467
Entropium uveæ, 174
Epididymis, Treatment of genital tuberculosis in male, 45
Epididymitis, Gonococcus, 127; treatment of acute, 408; vasoligation a preventive of, before and after prostatectomy, 494
Epiphora, Pathology of lachrymal glands in chronic, 447
Epiphyseolysis, 217
Epiphyses, Fractures of, 308; roentgen diagnosis of separations of, 499
Erysipelas, Treatment of, 317
Ether, Rectal administration of, and oil, and morphine, magnesium sulphate, and, in surgery and obstetrics, 313; colonic instillations of, in labor, 484
Ethmoid sinus, Meningitis of nasal origin, 6; Recklinghausen's fibrous osteitis of, 90
Exophthalmic goiter, *See* Goiter
Eye, Protein therapy in practice, 3; nutrition of, 173; pemphigus of, 173; disorders of, in deficiency diseases, 173; anterior tuberculosis of, 173; treatment of commoner syphilitic lesions of, 173; thelaziasis of, and its adnexa in man, 174; differentiation between ophthalmic and sinus headaches, 259; conjunctival drain of anterior chamber of, in absolute glaucoma, 259; value of antiseptics in modern ophthalmic surgery, 261; comparative chemical studies of cerebrospinal fluid and blood and fluids of, 357; acid and alkali burns of, 357; focal infection and elective localization in pathogenesis of diseases of, 357; clinical aspects of tuberculosis of, 358; perithelioma of orbit of, 358; phenomena in, produced by basal lesions of frontal lobe, 365; angioid streaks in fundus of, 448
Eyegrounds, Photography of, 260

FACE, Mixed tumors of, 356
Fæcal stasis, Result after fourteen years of right hemicolectomy for, 105
Fallopian tubes, Diagnosis and treatment of sterility of tubal origin, 33; indications for surgical intervention in pelvic lesions of infectious origin, 202; gynecological considerations in chronic appendicitis, 283; tertiary syphilis of uterus and adnexa, 290; dangers of uterosalpingography, 290; rhythmic contractions and peristaltic movement in intact human, as determined by peruterine gas insufflation and kymograph, 291; ob-

servations on intramural and isthmic portion of, with special reference to so-called "isthmospasm," 396; clinical X-ray lipiodol study and insufflation of, in fifty cases of occlusion of, 396; study of sterility by peruterine insufflation and kymograph, 478
Fascia, Grafts of dead preserved, 228
Femoral artery, Ligation of, below origin of profunda femoris in treatment of obliterative endarteritis of leg, 55; physiological and histological study of circulatory conditions in left lower extremity in case in which, was ligated in 1870, 137
Femur, Fractures of upper end of, 134; treatment of central luxation of, 134; roentgenograms of fractures of, 222; fibrocystic disease of, 415; fracture of shaft of, 418; isolated fracture of lesser trochanter, 420; late end-results in ununited fracture of neck of, treated by bone-peg or reconstruction operation, 421; treatment of fractures of neck of femur, 421
Fetus, Clinical signs of distress of, during labor, 206
Fingers, Importance of juncturæ tendinum in lesions of extensor tendons of, 48; congenital ulnopalmar club-hand with subluxation of, 130; isolated giant-cell xanthomatic tumors of, and hand, 218
Fistula, Of small and large intestine, 18; urachus and umbilical, 31; transplantation of ureters into bowel to obtain sphincteric urinary control in vesicovaginal, 113; duodenal, following nephrectomy, 123; utero-vaginal and vesicovaginal, combined, 293; toxæmia of duodenal, 386; gastrojejunocolic, and gastrojejunal ulcer, 464
Flat-foot, Relation of rickets of lower extremities and static, 415
Forearm, Open reduction of fractures of, 133; chromoma of, 316
Fovea, Changes in, during accommodation, 448
Fractures, New device for reduction of, 222; strength of certain materials used for extension, 224; age of, as indicated by roentgen examination, 308; experimental study of internal callus, 309; operative treatment of, 418; influence of war surgery on treatment of, in Great Britain, 418; traction and suspension, 418; frequency and duration of osteitic processes after osteosynthesis in, 419; mechanical action of periosteum in fresh, 419; technique of use of grafts in non-union of, 420; damages to bones and reputations, 499. *See also* names of bones
Freezing, Periarterial sympathectomy in, 455
Frontal sinus, Fractures of anterior wall of, 1; meningitis of nasal origin, 6; empyema of, in children, 7
Funiculitis, Relation of, to hydrocele in Egypt, 44
Furuncles, Treatment of, 345

GALL bladder, Experimental study of emptying of, 26; pathology of, 27; cholesterosis of, 28; spontaneous rupture of, into duodenum, 28; simulation of disease of, by intercostal neuralgia of abdominal wall, 192; types of infection of, 192; clinical behavior of normal and diseased, 288; diseases of liver and bile passages, 388; prevalent denials of functions long attributed to, 390; concentration of cholecystographic media and bilirubin by, 391; and its infections, 473; gastro-intestinal symptoms masking disease of, 473
Gall stones, Final examination in surgically treated cases of biliary lithiasis, 194
Gangrene, Of extremities, 140, 226, 311, 316; use of anti-gangrene serum in treatment of appendicitis and pulmonary and gas, 508; gas, in civil practice, 510
Gasserian ganglion, Experimental anatomicopathological basis of surgical treatment of neuralgia of trifacial nerve and changes in, in retrogasserian neurotomy, 180
Gastrectomy, Choice of operations for peptic ulcer, 102; complete, for chronic ulcer with observations on effect of loss of stomach on physiology of digestion in man, 103; partial, versus gastro-enterostomy in surgical treatment of gastroduodenal ulcers, 187; partial, 187; changes in chemistry of contents of stomach following gastric operations, 188; principles of gastric surgery, 381; successful resection of upper half of stomach, 383; peptic ulcer after extensive resection of, 463; fatal dysenteric enteritis secondary to gastro-enterostomy or extensive gastric resection for ulcer of stomach, 467; acidity of stomach following gastric resections, 468; ileus of afferent loop after resection of stomach for duodenal ulcer and megaduodenum, 470
Gastritis, Chronic, in relation to achylia and ulcer, 101
Gastro-enterostomy, Status of, in gastric surgery, 17; partial gastrectomy versus, for gastroduodenal ulcers, 187; secondary resections of stomach in disease conditions after, 188; changes in chemistry of contents of stomach following gastric operation, 188; principles of gastric surgery, 381; recurrent peptic ulceration following, for duodenal ulcer, 385; fatal dysentric enteritis directly secondary to, for ulcer of stomach, 467; late results of, in ulcer of lesser curvature of stomach, 467; degastro-enterostomization, 467.
Gastro-intestinal tract, Infantile mastoiditis with symptoms referable to, 262; amyl nitrite as antispasmodic in roentgen examination of, 380; symptoms of, masking disease of gall bladder, 473
Gastropylorectomy, End-results of treatment of gastric ulcers by, 380
Genital organs, Developmental changes in, during adolescence, 32; treatment of tuberculosis of male, 45; topography and clinical aspects of tumors of female, 114; cystography as aid to diagnosis of pelvic lesions in female, 397
Genu valgum, Relation of rickets of lower extremities to, 415
Glands, Structure and origin of "mixed" tumors of salivary, 87; surgical treatment of tuberculous, of neck, 138; results of roentgen-ray treatment of tuberculous cervical lymph, 138; cervical lymph nodes in intra-oral carcinoma, 177; surgical treatment of cancer of cervical, 227; tuberculosis of retrocæcal, 283; connections between pleura and cervical and axillary lymph, 376; pathology of lachrymal, in chronic epiphora, 447; value of roentgen ray in diagnosis of tuberculosis of cervical, in infancy, 505
Glands of internal secretion, *See* Endocrine glands
Glaucoma, Relation of cupping of optic disk to visual fields in, 174; non-operative treatment of inflammatory, 259; conjunctival drain of anterior chamber in absolute, 259; following obstruction of central vein of retina, 259; features of, complicating iridocyclitis, 447
Goiter, Exophthalmic, and involuntary nervous system, 7; course of subjective and objective manifestations of exophthalmic, in fifty unselected patients, 7; Basedow syndrome six months after treatment with iodine, 7; indications for surgical treatment of toxic, 92; regeneration of thyroid gland and prevention of recurrent, 264; heart block after operations for, 265; pathological changes as result of administration of Lugol's solution in exophthalmic, 363; pathogenesis of, considered as one continuous disease process, 363; nodular, with hyperthyroidism, 449; azocarmine-Mallory staining of, 449; difficulties in diagnosis of exophthalmic, 450; treatment of exophthalmic, 450
Gonococcus, Employment of "polar-body" developing strains of, in treatment of infection due to, 45; latent, and spermoculture, 45

Gonorrhœa, Prostatotomy in treatment of urinary retention in course of acute gonorrhœal prostatitis, 42; employment of "polar-body" developing strains of gonococcus in treatment of gonococcal infection, 45; gonococcus epididymitis, 127; treatment of acute epididymitis, 408; gonorrhœal arthritis, 411
Graafian follicle, Relation of, and corpus luteum to pathological uterine hæmorrhage, 114
Granuloma inguinale, Etiology of, 231
Graves' disease, *See* Goiter
Growth, Factor of, in defective calcification, 287
Gynecology, Present trend of, 199

HÆMATOMA, Retroperitoneal, after duodenal resection, 281
Hæmaturia due to vesical varices associated with pelvic varicocele cured by resection of varicocele, 406
Hæmophilia, Pregnancy, labor, and puerperium in case of, 480
Hæmorrhage, In pregnancy, 204; of newborn, 401; intra-abdominal, in males, 475; chronic nephritis, eclampsia, and accidental, 483
Hand, Isolated giant-cell xanthomatic tumors of fingers and, 218; dynamics of functions of, with considerations as to methods of obtaining position of function by splints, 304
Harelip, Importance of pediatric care in operative treatment of, 176; surgical correction of, 176
Headache, Differentiation between ophthalmic and sinus, 259; chronic meningeal, post-traumatic and its specific treatment by lumbar air insufflation, 270
Hearing, Explanation for symptom of paracusis willisi, 5
Heart, Treatment of cardiac complications of pregnancy and labor, 205; heart block after goiter operations, 265; toxæmias of pregnancy in relation to chronic cardiovascular and renal disease, 295
Heliotherapy, In tuberculosis of middle ear, 6; fundamentals and clinical aspects of light treatment with especial relation to tuberculosis, 58; in hip-joint tuberculosis, 413
Hemicolectomy, Result after fourteen years of right, for fæcal stasis, 105
Hepatic artery, Effect of sympathectomy of, on wound healing and biligenic and glycogenic function of liver, 287
Hepatic duct, *See* Bile duct
Hepatico-enterostomy, Side-tracking operations for bile-duct obstruction, 107
Heredity, Rôle of, in Basedow syndrome, 7
Hernia, Heterologous benign hypernephroma in sac of, 100; ideal herniorrhaphy for direct and indirect inguinal, 100; incidence of, in children, 275; diaphragmatic, 475
Herniorrhaphy, Ideal, for direct and indirect inguinal hernia, 100
Herpes zoster oticus, 175
Hexylresorcinol, In urinary tract infections, 129; as general antiseptic, 228
Hiccough, Control of, by inhalation of carbon dioxide, 196
Hip, Artificial impaction in fractures of, 50; heliotherapy in tuberculosis of, 413; flexed plaster spica case for fractures of, 420; early treatment of congenital dislocation of, 420
Humerus, Delayed paralysis of ulnar nerve following fractures of external condyle of, 95
Hydated cysts, *See* Echinococcus cysts
Hydrocele, Relation of funiculitis to, in Egypt, 44
Hydronephrosis, Etiology of, 39; small, painful, treated by enervation of kidney and nephropexy, 39
Hypernephroma, Heterologous benign, in hernial sac, 100
Hyperthyroidism, Relation of, to benign tumors of thyroid gland, 264; nodular goiter with, 449; relation of, to benign tumors of thyroid gland, 449
Hypertonic solutions, Use of, in treatment of increased intracranial pressure, 453
Hypophysis, Glandular elements in posterior lobe of human, 179; pituitary adamantinomata, 269
Hypospadias, New method of treating, 126
Hysterectomy, Wertheim's, for carcinoma of cervix, 32, 111; total versus subtotal abdominal, 112; artificial menopause, 201; technique and indications of vaginal 395
Hysterography, Safety of, 109

ILEOCÆCAL valve, Neoplasms of, 22
Ileum, Ileo-ileal intussusception in adult caused by submucous fibroleiomyoma treated by resection and end-to-end anastomosis, 105; acute traumatic ulcers of small intestine produced by application of clamps, 191
Ileus, Spinal anæsthesia in, 19, 21; in first Municipal Hospital of Riga, 189; acute conditions of abdomen complicated by, or septic invasion of peritoneum, 195; of afferent loop after resection of stomach for duodenal ulcer and megaduodenum, 470
Iliac artery, Aneurism of external, with rapid evolution treated by extirpation of sac after high ligation of artery, 52
Indelible ink pencil injuries, 510
Indigestion, Treatment of nervous, 16
Indigocarmine test as method of diagnosing renal tuberculosis, 301
Infection, Protein therapy in practice, 3; part played by, in development of certain gastroduodenal ulcers, 102; hexylresorcinol in, of urinary tract, 129; etiology of focal, 232; medical aspects of focal, 232; otolaryngological phase of focal, 262; unusual fatal operative, of wound yielding pathogenic anaerobe of gas-gangrene group not hitherto described, 313; focal, and elective localization in pathogenesis of diseases of eye, 357; inadequate skin preparation as cause of postoperative wound, 506
Inflammations, Treatment of acute purulent, with roentgen rays, 228; action of roentgen rays in, 315
Ink-pencil injuries, 510
Instruments, Dry sterilization of, 3; sterilization of sharp, 509
Intestine, Interposition of segments of small, between divided ends of colon, 24; acute traumatic ulcers of small, due to application of clamps on gastro-intestinal tract, 191; carcinoma of small, 279; myomata of small, 279; tumors of small, 279; nutrition of, after ligation of vessels in mesentery, 383; endometriosis of, 384; strictly mechanical obstruction of, without abscess or peritonitis in course of initial attack of appendicitis, 387; rupture of, at duodenojejunal juncture, 469. *See also* names of parts of intestine
Intestines, Effect of Billroth II resection of stomach on function and structure of pancreas and absorption in, 18; fistulæ of, 18; spinal anæsthesia in occlusion of, 19, 21; physostigmine as aid in gastro-intestinal roentgen-ray diagnosis, 100; causes and treatment of congenital abnormalities of, 189; invagination of, 104, 105, 190; non-metallic foreign bodies perforating, 279; endometriosis of, 384; absorption in, 468; repeated obstruction of, 468
Intussusception, Acute, in adult, 104; ileo-ileal, in adult caused by submucous fibroleiomyoma treated by resection and end-to-end anastomosis, 105; intestinal invagination, 190; acute, reduced under fluoroscopic control, 384

Iodine, Basedow syndrome six months after treatment with, 7; new, compound for cholecystography, 27; conditions under which, will cause change in basal metabolic rate in man, 177; occurrence of, in conditions other than Graves' disease, 177; pathological change as result of administration of, in exophthalmic goiter, 363
Iodipin, *See* Iodized oil
Iodism following intrabronchial injection of lipiodol, 11
Iodized oil, Rôle of lipiodol in surgery of medullary tumors, 9; iodism following intrabronchial injection of lipiodol, 11; uses and limitations of pneumography by lipiodol, 183; technique of bronchography with, 457
Iridocyclitis, Application of heat by diathermy in, 358; features of glaucoma complicating, 447
Iris, Essential atrophy of, 4

JAUNDICE, Studies in experimental obstructive, 106, 287; test of shock from cold in hæmolytic icterus, 195; theory of icterus of pregnancy and operative investigation, 203; clinical aspects of, 388
Jaw, Metallic loops through bone to hold ascending rami in place in fractures of lower, 2; surgery in intra-oral cancer, 362; surgical diathermy for malignant tumors in anterior air passages, 263; acute osteomyelitis of superior maxilla in young infants, 356
Jejunum, Choice of operations for peptic ulcer, 102; effect of clamps on gastro-intestinal tract in production of acute traumatic ulcers of small intestine, 191; actinomycotic ulceration of duodenum and, 385; ulcers of stomach and, 464; ulcers of stomach and, and gastro-jejunocotic fistulæ, 464; ulcer of, 464; rupture of bowel at juncture of, and duodenum, 469
Joints, Articular mechanism of diarthroses, 411
Jugular vein, Surgical intervention in infections of lateral sinus and internal, 1

KERATOCONUS, Cases of, 358
Kidney, Ectopic, with triple ureter removed from man aged forty-one years, 38; normally placed right, possessing two pelves and two ureters opening separately into bladder with the center part of, between pelves occupied by Grawitz tumor, 38; motility of pelvis of, studied in freshly excised, 38; small, painful hydronephrosis treated by enervation of, and nephropexy, 39; recurrent pyelonephritis in patient operated upon for ptosis of, 39; health of patient twenty years after removal of tuberculous, 39; papillary epithelioma of pelvis of, 39; plastic surgery of pelvis of, 40; iliac ureterostomy of remaining, in tuberculosis of bladder after nephrectomy, 40; tuberculosis of, 118; statistics of postoperative survival in tuberculosis of, 118; incontinence of urine of renal origin, 118; carbuncle of, 121; massive infarcts of, 121; diagnosis and treatment of malignant tumors of, 122; pyelography and pyeloscopy in diagnosis of tumors of, 122; cystadenoma pseudopapilliferum malignum of, with metastases in tongue, 123; tests of function of, in prostatics, 214; toxæmias of pregnancy in relation to chronic cardiovascular and renal disease, 295; pyelovenous backflow, 300; crossed renal dystopia, 300; relation of renal distortion to nephralgia, 300; cases of reno-ureteral anomalies, 300; nephrectomy for tuberculosis of, 301; indigocarmine test as method of diagnosing tuberculosis of, 301; villous tumors of renal pelvis and ureter, 302; inlying ureteral catheter in treatment of pyelonephritis and other conditions of, 301; early diagnosis of tumors of, 302; injection of pelvis of, and pyelovenous back-flow, 404; unusual occurrence of two types of tumor in one, 404; hypernephroma of, 404; sarcoma of, 404; pitfalls and complications of surgery of, 404; roentgenographic measurement of compensatory hypertrophy of, remaining after nephrectomy, 405; unilateral aplasia of, 490; ruptured, 490; polycystic disease of, 491; clinical course of renal tuberculosis, 491; malignant tumors of, in childhood, 492; cause of renal back-pressure in obstructive lesions of urethra and bladder neck, 493
Knee, Internal derangement of, 131; traumatic luxations of, 135; injuries of semilunar cartilages of, 220; injuries of menisci and ligamentum mucosum commonly called internal derangements of, 220; cysts of semilunar cartilages of, 305; treatment of septic infection of, 306; operative handling of severe suppuration of, 306; tuberculosis of, in adult, 415
Kyphosis, Lower dorsal, in adolescents, 131

LABOR, Relative merits of instrumental and medical methods of inducing, 36; mechanism of cervical laceration during, 116; spontaneous rupture of uterus, before or during, 117; treatment of cardiac complications of pregnancy and, 205; respiratory emphysema in, 205; clinical signs of fetal distress, 206; treatment of contraction ring dystocia with adrenalin, 206; mechanism of, in contracted pelvis, 206; evaluation of methods in obstetrical analgesia and anæsthesia, 297; results of supervised midwife practice in certain European countries, 299; rectal administration of ether and oil, and morphine magnesium sulphate, and ether in obstetrics, 313; in contracted pelvis, 399; trial, in treatment of patients with contracted pelvis, 399; influence of fibroids on, 480; in case of hæmophilia, 480; causation of onset of, 484; morphine and magnesium sulphate infiltrations and colonic ether instillations in, 484; expedited by large median anterior and posterior incisions in cervix made because of fetal distress, 485; rupture of aorta during, 485; median anterior and posterior incisions made in cervix in course of, prolonged by rigidity of cervix, 485; separation of symphysis pubis during, 486; hæmorrhage following, treated by clamps left in place, 486
Labyrinth, Present position of physiology of, 175
Labyrinthitis, Suppurative, 262
Lachrymal glands, Pathology of, in chronic epiphora, 447
Laminectomy, 49
Laryngectomy in cancer of larynx, 266
Laryngitis, Streptococcic, 8; acute stenotic, of infectious origin, 451
Laryngofissure in treatment of intrinsic carcinoma of larynx, 266
Larynx, Laryngeal complications of irradiation, 93; grafting of skin in, by Thiersch method, 93; use of surgical diathermy for malignant tumors in anterior air passages, 263; laryngofissure for intrinsic carcinoma of, 266; laryngectomy in cancer of, 266; study and treatment of papillomata of, in children, 452
Lateral sinus, Surgical intervention in infections of, and internal jugular vein, 1
Lead in treatment of malignancy, 60, 142, 316
Leg, Stabilization of flail, 498; treatment of fractures of, by Delbet ambulatory plaster splint, 499
Lens, Cultivation of, epithelium *in vitro*, 4; non-operative treatment of cataract with, antigen, 358
Leukæmia, Splenectomy in, 474
Light treatment, *See* Actinotherapy, Heliotherapy
Lip, Surgical correction of cleft, 176; importance of pediatric care in operative treatment of harelip, 176; surgery in cases of intra-oral cancer, 362
Lipiodol, *See* Iodized oil

Liver, Surgical treatment of portal cirrhosis with ascites, 26; function of, in pregnancy, 35; action of radon "seeds" on tumor and cells of, of rat, 58; experimental obstructive jaundice, 106; abscess of, after panaritium, 192; sympathectomy of hepatic artery and its effect on wound healing and on biligenic and glycogenic function of, 287; direct observation of circulation in living, 287; transverse incision in operations on bile tract, 289; bilaterality of, 387; functions of, and tests of their efficacy, 387; traumatic rupture of, treated by excision and suture of hepatic laceration, 388; diseases of, and bile passages, 388; acute degeneration of, 389; effects of obstructive lesions of common duct of, 390
Lugol's solution, *See* Iodine
Lung, Cancer of, 11; roentgenological aspects of primary tumors of, 12; primary carcinoma of, showing both atelectasis and pleural effusion, 12; intrathoracic tumors, 15; anatomical anomalies of phrenic nerve and their influence on effects of resection in tuberculosis of, 95; non-tuberculous suppuration of, 97; abscess of, following tonsillectomy, 97; X-ray in diagnosis of intrathoracic growths, 185; roentgen diagnosis of malignant neoplasms of, 273, 375; postoperative abscess of, 273; experimental abscess of, in dog, 372; etiology of abscess of, 372; abscess of, relieved by bronchoscopy, 373; artificial pneumothorax in acute suppuration of, 373; comparison of operations and their results in non-tuberculous suppuration of, 374; surgical treatment of tuberculosis of, 374; action of phrenicectomy on tuberculous lesions of upper lobe of, 375; roentgenological manifestations of primary carcinoma of, 375; metastases of bone in primary carcinoma of, 410; postoperative pulmonary atelectasis, 457; etiology of postoperative abscess of, 458; preliminary medication in general anæsthesia with special reference to margin of safety and postoperative lesions of, 508
Lymph glands, Surgical treatment of tuberculous, of neck, 138; roentgen-ray treatment of tuberculous cervical, 138; cervical, in intra-oral carcinoma, 177; surgical treatment of cancer of cervical, 227; tuberculosis of retrocæcal, 283; infections of, of bronchial tree, 371; connections between pleura and cervical and axillary, 376; value of roentgen ray in diagnosis of tuberculosis of cervical, in infancy, 505
Lymphatics, Of ear, 88; rôle of, in pelvic inflammation, 398
Lymphogranulomatosis, Subacute inguinal, 511

MACULA, Photographic study of holes in region of, and associated changes, 261
Magnesium sulphate, Treatment of eclampsia with, 296; rectal administration of, in surgery and obstetrics, 313; morphine and, in labor, 484; alleged synergism of, and morphine, 509
Malignancy, *See* Cancer, Sarcoma, and names of organs
Mandible, *See* Jaw
Mastoiditis, In infants, 6, 448; infantile, with gastro-intestinal symptoms, 262
Maternal mortality, Responsibility of obstetrical teacher in relation to, and morbidity, 36; in United States, 402; in Canada, 402
Maxilla, *See* Jaw
Maxillary sinus, Malignant neoplasms of antrum, 7; varying symptomatology of chronic inflammation of, depending on pathological changes present, 263; intranasal surgical treatment of chronic inflammation of, 361
Mediastinum, Further experiences with intrathoracic tumors, 15; deep actinomycosis of neck and, 362
Megaduodenum, Ileus of afferent loop after resection of stomach for duodenal ulcer and, 470
Meninges, Fibroblastomata of, 10; presentation of children who had meningeal hæmorrhage at birth, 488
Meningitis, Surgical anatomy of, of nasal origin, 6; of sphenoidal sinum origin, 9; medullary compression by primary tuberculous, 95
Menopause, Artificial, 201
Menorrhagia, Quick arrest of genital hæmorrhage in female by injection of sodium citrate, 137; review of 2,000 patients registered in Gynecological Clinic of University of Michigan Hospital with special reference to abnormal bleeding, 200
Menstruation, Prevention of menstrual troubles, 32; influence of general health on, 32; relation of graafian follicle and corpus luteum to pathological uterine hæmorrhage, 114; underestimated frequency and practical importance of, occurring at too long intervals and in insufficient quantity, 200
Mesentery, Tuberculosis of retrocæcal glands, 283; congenital malformations of, 379; nutrition of intestine after ligation of vessels in, 383
Mesocolon, Tuberculosis of retrocæcal glands, 283
Metabolism, Conditions under which iodine will cause change in basal, in man, 177
Microglia, Reaction of neuroglia and, to brain wounds, 179; vital staining of Del Rio Hortega's, and its application in diagnosis of focal processes and tumors of central nervous system, 456
Midwife practice, Results of supervised, in European countries, 299
Mikulicz drain, 507; cure of generalized peritonitis by, 470
Mikulicz syndrome, 2
Morphine, Rectal administration of ether and oil and magnesium sulphate, ether and, in surgery and obstetrics, 313; and magnesium sulphate infiltrations in labor, 484; alleged synergism of magnesium sulphate and, 509
Mortality, Responsibility of obstetrical teacher in relation to maternal, 36; maternal in United States, 402; maternal, in Canada, 402
Morvan's syndrome, 454
Mother, Separation of, and child and means of preventing it, 488
Mouth, Cervical lymph nodes in intra-oral carcinoma, 177; radium in intra-oral cancer, 177; treatment by radiation of intra-oral tumors, 177; surgery in intra-oral cancer, 362
Muscle, Physiology of innervation of, with special reference to influence of sympathetic system, 368
Musculospiral nerve, Prevention of injury to, 455
Myeloma, Endothelial, 47
Myofascitis explaining many apparently dissimilar conditions, 304
Myomectomy, Modern conception and treatment of uterine fibroids, 197

NAILS, Subungual melanoma, 140
Nasopharynx, Treatment of malignant tumors of, 90
Neck, Surgical treatment of tuberculous glands of, 138; roentgen-ray treatment of tuberculous cervical lymph glands, 138; lymph nodes of, in intra-oral carcinoma, 177; simple, uncomplicated rotary dislocation of atlas, 221; fractures of first cervical vertebra, 221; surgical treatment of cancer of glands of, 227; microscopic study of superior cervical sympathetic ganglion in angina pectoris, 271; deep actinomycosis of, and mediastinum, 362
Nephralgia, Relation of renal distortion to, 300

Nephrectomy, Iliac ureterostomy of remaining kidney in tuberculosis of bladder after, 40; duodenal fistula following, 123; review of eighty-five cases of, for renla tuberculosis, 301; roentgenographic measurement of compensatory hypertrophy of kidney remaining after, 405; secondary, 492
Nephritis, Accidental hæmorrhage, eclampsia and chronic, 483
Nephropexy, Small painful hydronephrosis treated by enervation of kidney and, 39
Nerve, Delayed paralysis of ulnar, following fractures of external condyle of humerus, 95; anatomical anomalies of phrenic, and their influence on effects of resection in pulmonary tuberculosis, 95; changes in histological structure of cancer following section of its sensory, and influence of this neurotomy on course of various pathological processes, 142; pallor of optic, without functional disturbances in luetics, 175; deaf-mutism due to bilateral lesion of auditory sensory areas, 175; herpes zoster oticus, 175; experimental anatomico-pathological basis of surgical treatment of neuralgia of trifacial, and changes in gasserian ganglion in retrogasserian neurotomy, 180; fractional section of sensory root as major operation in trigeminal neuralgia, 180; nomenclature of optic neuritis, 359; etiology, diagnosis, and prognosis of optic neuritis, 359; optic neuritis as aid to diagnosis, 359; complete obstetrical paralysis of right brachial plexus and right phrenic, in infant two and one-half months old, 402; prevention of injury to musculospiral, 455
Nerves, Palsies of cranial, in otitis media, 175; syndrome of unilateral paralysis of all cranial, 179; permanent disturbances of, resulting from spinal anæsthesia, 229; physiology of muscle innervation, 368; relation of distribution of sympathetic rami to brachial plexus to sympathectomy affecting upper extremity, 369
Nervous system, Exophthalmic goiter and involuntary, 7; encapsulated tumors of, 10; physiology of muscle innervation with special reference to influence of sympathetic system, 368; structure and formation of interstitial tissues of central, 456
Neuralgia, Experimental anatomicopathological basis of surgical treatment of, of trifacial nerve and changes in gasserian ganglion in retrogasserian neurotomy, 180; fractional section of sensory root as major operation in trigeminal, 180; simulation of gall-bladder disease by intercostal, of abdominal wall, 192; chronic pseudoappendicitis due to intercostal, 284
Neuritis, Retrobulbar, and infection of accessory nasal sinuses, 261; etiology, diagnosis, and prognosis of optic, 359; nomenclature of optic, 359; optic, as aid to diagnosis, 359
Neurofibromata, Perineurial, 10
Neurogenic sarcoma, 369
Neuroglia, Reaction of, and microglia to brain wounds, 179
Newborn, Hæmorrhage of, 401
Nipple, Bleeding from, 11; Paget's-disease of, not a simple precancerous dyskeratosis but a true epidermotrophic carcinoma requiring early and complete removal of breast, 182
Nitrous oxide anæsthesia, In Germany, 57; in obstetrics, 297
Nose, Relation of polypi of, to inflammation of accessory sinuses, of, 6; meningitis of nasal origin, 6; occurrence of brain tissue within, 89; treatment of malignant tumors of nasopharynx, 90; tissue changes in mucosa of, 176; diathermy for malignant tumors in anterior air passages, 263
Nurses, Fundamental training for obstetrical, 207

OBSTETRICAL nurses, Fundamental training for, 207
Obstetrics, Responsibility of teacher of, in relation to maternal mortality and morbidity, 36; evaluation of methods of anæsthesia and analgesia in, 297; results of supervised midwife practice in certain European countries, 299; rectal administration of ether and oil and morphine, magnesium sulphate and ether in, 313; points in, for reconsideration and revision, 488
Œsophagectasia, Pathology of, 13
Œsophagus, Cancer of, 184; experimental surgery of, 185; diverticula of thoracic, 377
Omentum, Cystic lymphangioma of great, 379; torsion of great, 379; torsion of, without hernia, 460
Operation, Factors determining resistance of patient and decreasing risks of, 506
Optic disk, Relation of cupping of, to visual fields in glaucoma, 174; mechanical factor in causation of choked, in intracranial lesions, 267; ocular phenomena caused by basal lesions of frontal lobe, 365
Optic nerve, Pallor of, without functional disturbances in luetics, 175
Optic neuritis, As aid to diagnosis, 359; nomenclature of, 359; etiology, diagnosis, and prognosis of, 359
Orbit, Granuloma due to aspergillus invading, 174; perithelioma of, 358
Orthopedic surgery, Physical therapy and its relation to, 49
Os calcis, *See* Calcaneum
Osteitis, Pathogenesis of, fibrosa, 130; frequency and duration of osteitic processes after osteosynthesis, 419; differentiation of, deformans and osteoplastic metastatic carcinoma, 498
Osteoblasts, Origin and nature of, 410
Osteomalacia, Ovary in, 292
Osteomyelitis, Recurrent multiple, due to staphylococcus aureus, 130
Osteosarcomata, Treatment of, by physical agents, 130
Osteosynthesis, Frequency and duration of osteitic processes after, 419
Otitis media, In infants, 5; influence of acute, in infants on certain systemic conditions and influence of these conditions on method of treating co-existing acute, 6; cranial nerve palsies in, 175
Otolaryngology, Pediatric aspects of, 5
Otosclerosis, National investigation of, 361
Ovarian extracts, Action and uses of, 396
Ovary, Mechanism and anomalies of ovulation in human, 32; action of X-rays on endocrine glands, 60; ovarian therapy, 112; calcareous concretions probably of ovarian origin simulating ureteral or vesical calculi, 112; carcinoma of, 113; ovarian metastasis with cancer of uterine body, 113; topography and clinical aspects of tumors of female genitalia, 114; lymphatic origin of certain cystic formations in pelvis following total castration of female, 115; repeated pregnancy after amenorrhœa induced by roentgen irradiation of, 116; gynecological considerations in chronic appendicitis, 283; histological changes in vagina in different phases of functional cycle of, 292; in osteomalacia, 292; cyst of, diagnosed as fibromyoma of uterus, 292; pseudomyxoma peritonei associated with ruptured cyst of, and appendicular disease, 379; carcinoma of, in infancy, 397; influence of alcohol on activity of, in mice, 403; dysfunction of, dependent on abnormalities of ductless glands, 479
Ovulation, Mechanism and anomalies of, in human ovary, 32
Oxygen, Value of, following bronchoscopy in children, 273; therapy, 459
Ozæna, Experimental, 89

PACHYMENINGITIS, Medullary compression by primary tuberculous cervical, 95; unilateral, and arachnoiditis, 454
Pain, Mechanism of production of, in abdominal visceral disease, 462
Palate, Treatment of cleft, by operation 90; cause of failure of repair of cleft, in infants and its prevention, 91; importance of pediatric care in operative treatment of cleft, 176; surgical correction of cleft, 176
Panaritium, Abscess of liver after, 192
Pancreas, Effect of Billroth II resection of stomach on function and structure of pancreas, 18; rupture of hæmatocele of, into peritoneal cavity, 30; external secretion of, 30; study of external function of, in cholecystitis and gastroduodenal ulcer by simple and fractional examination of duodenal juice, 194; clinical and anatomicohistological research on healed necrosis of fatty tissue of, 289; cyst of, associated with diabetes, 474
Pancreatic duct, Acute pancreatitis due to gall stone obstructing duct of Wirsung, 108
Pancreatitis, Acute, due to gall stone obstructing duct of Wirsung, 108
Papillœdema, Mechanical factor in causation of choked disk in intracranial lesions, 267; ocular phenomena caused by basal lesions of frontal lobe, 365
Paracusis willisi, Explanation for symptom of, 5
Parametrium, Unusual forms of suppuration in, 109
Pediatrics, Pediatric aspects of otolaryngology, 5
Pelvis, Unusual forms of parametrial suppuration, 109; serous accumulations in, following operation, 115; lymphatic origin of certain cystic formations in, following total castration of female, 115; indications for surgical intervention in lesions of, of infectious origin, 202; labor in contracted, 206, 398; partial symphysiotomy as compared with cæsarean section in contracted, 297; cystography as aid to diagnosis of lesions of, in female, 397; rôle of lymphatics in inflammation in, 398; fibrous peritonitis of, 398; trial labor as procedure in treatment of patients with contracted, 399
Periappendicitis, Tuberculous, 283
Periarterial sympathectomy, *See* Sympathectomy
Pericarditis, Cure of purulent pneumococcic, by epigastric pericardotomy, 99
Pericardium, Experimental and clinical study of pain in, 274
Pericardotomy, For pyopericardium, 13; cure of purulent pneumococcic pericarditis by epigastric, 99
Perinephritic abscesses, Etiology and clinical aspects of, 209
Periodontal membrane, Chronic fusospirillary infection of, and its treatment, 176
Periosteum, Sarcoma of, treated by roentgenotherapy, 217; mechanical action of, in fresh fractures, 419
Peritoneum, Acute conditions of abdomen complicated by ileus or septic invasion of, 195; endometriosis of, due to menstrual dissemination of endometrial tissue into peritoneal cavity, 201; prevention of adhesions of, and encapsulation by hypertonic dextrose solution, 275; case of retroperitoneal hæmatoma developing after duodenal resection, 281; treatment of tuberculosis of, 460
Peritonitis, Experimental study of, 16; acute abdominal disasters, 108; acute conditions of abdomen complicated by septic invasion of, 195; prevention of postoperative, and abdominal adhesions, 276; postoperative complications of suppurative appendicitis, 285; fibrous pelvic, 398; pneumococcal, during puerperium, 487
Pharynx, Treatment of malignant tumors of nasopharynx, 90; otolaryngological phase of focal infection, 262; abdominal pain of throat infections in children and appendicitis, 387
Phrenic nerve, Anatomical anomalies of, and their influence on effects of resection in pulmonary tuberculosis, 95; complete obstetrical paralysis of right brachial plexus and right, in infant two and one-half months old, 402
Phrenicectomy, Action of, on tuberculous lesions of upper lobe, 375
Physical therapy, Relation of, to orthopedic surgery, 49; use and abuse of, 315
Physostigmine as aid in gastro-intestinal roentgen-ray diagnosis, 100
Pituitary gland, *See* Hypophysis cerebri
Placenta, Undescribed type of premature separation of normally implanted, 35; etiology and pathogenesis of leucocytic infiltration of human, 203; study of circulation of, in multiple pregnancies by stereoroentgenographic method, 399
Pleura, Primary carcinoma of lung showing both atelectasis and effusion of, 12; intrathoracic tumors, 15; connections between, and cervical and axillary lymphatic glands, 376
Pneumography, Uses and limitations of, by lipiodol, 183
Pneumonia, Unresolved, 371
Pneumothorax, Artificial, in treatment of pulmonary suppuration, 373; comparison of operations and their results in non-tuberculous pulmonary suppuration, 374
Poliomyelitis involving urinary tract, 128
Pott's disease, *See* Spine
Pregnancy, Liver function in, 35; fibromyomata and, 35; rupture of uterus at site of previous cæsarean section, 36, 399; results of breech labor and of prophylactic external cephalic version during, 36; extra-uterine, ruptured by successive fissures with corresponding hæmatoceles, 116; repeated, after amenorrhœa induced by roentgen irradiation of ovaries, 116; spontaneous rupture of uterus before and during labor, 117; hæmorrhage in, 204; theory of icterus of, and operative investigation, 203; co-existence of carcinoma of fundus uteri and, 203; acute endocarditis in, and puerperium, 205; treatment of cardiac complications of, 205; pyelitis in, 213; treatment of pyelitis of, with indwelling catheter, 213; stricture formation in ureter following pyelonephritis of, 213; repeated extra-uterine, on left side, 294; repeated, in same tube, 294; blood bilirubin in ectopic, 294; present status of our knowledge regarding toxicoses of, 295; toxæmias of, in relation to chronic cardiovascular and renal disease, 295; therapeutic interruption of, 204, 296; diabetes mellitus and, 399; child two and one-half years old born of ectopic, 399; clinical festures of ectopic, 399; study of placental circulation in multiple, by stereoroentgenographic method, 399; abdominal, following supravaginal amputation of uterus, 480; influence of fibroids on, 480; in case of hæmophilia, 480; analysis of Wassermann reactions in 2,000 pregnant women, 480; chronic nephritis, accidental hæmorrhage, and eclampsia, 483; operations of necessity during, 484
Prostate, Tests of renal function in prostatics, 214; calculi of, 215; vital factors in management of prostatic obstruction, 215; electrotome excision of prostatic bar, 494
Prostatectomy, Indication and execution of, 42; indications, technique, and results of, 44; complete closure of bladder following, 127; immediate and end-results of suprapubic, 407; vasoligation as preventive of epididymitis before and after, 494

Prostatitis, Prostatotomy in treatment of urinary retention in course of acute gonorrhœal, 42; backache due to seminal vesiculitis and, 45
Prostatotomy in treatment of urinary retention in course of acute gonorrhœal prostatitis, 42
Protein decomposition, Relation of, to pathology of gastroduodenal ulcer, 462
Protein therapy in practice, 3
Pseudarthroses, 308; new method of treating, 49
Pseudomyxoma peritonei associated with ruptured ovarian cyst and appendicular disease, 379
Psychoses, Malignant, related to childbirth, 487
Puerperium, Acute endocarditis in pregnancy and, 205; inversion of uterus in, 207; localization and frequency of metastases of sepsis in, 298; early retroversion of uterus after delivery, 298; total gangrene of uterus during, 299; abdominal reposition in acute inversion of uterus in, 401; in case of hæmophilia, 480; surgical treatment of puerperal processes, 487; pneumococcal peritonitis during, 487; malignant psychoses related to childbirth, 487
Pulmonary artery, Successful Trendelenburg operation for embolism of, 504
Purpura hæmorrhagica, Results of splenectomy for, 475; chronic recurrent, treated by splenectomy with recovery, 505
Pyelitis, In pregnancy, 213; treatment of, of pregnancy with indwelling catheter, 213; ureteral stricture and chronic, in children, 213
Pyelography and pyeloscopy in diagnosis of tumors of kidney and renal pelvis, 122
Pyelonephritis, Recurrent, in patient operated upon for renal ptosis, 39; stricture formation in ureter following, of pregnancy, 213; inlying ureteral catheter in treatment of, and other renal conditions, 301; and its relation to non-gonorrhœal urethritis, 301; with azotæmic syndrome, 404
Pyeloscopy, Pyelography and, in diagnosis of tumors of kidney and renal pelvis, 122
Pyelovenous backflow, 300; injections of renal pelvis, with special reference to question of, 404
Pylorectomy for ulcer of stomach, 17
Pyloric stenosis, Effect of experimental, on gastric secretion, 101
Pyloroplasty, Choice of operations for peptic ulcer, 102; principles of gastric surgery, 381
Pylorus, *See* Stomach
Pyopericardium, Pericardiotomy for, 13
Pyuria, Treatment of, in children, 496

RADIUM, Treatment of carcinoma of rectum by irradiation, 25; treatment of vesical carcinoma with, 41; in treatment of malignant tumors of nasopharynx, 90; in treatment of cancer of tongue, 91; in treatment of cancer of breast, 96; treatment of malignancy of cervix by, emanation, 110; dangers of, in treatment of uterine cancers, 111; changes in bladder in cases of cancer of uterus treated by irradiation, 126; ulceration of bladder as late effect of applications of, to uterus, 126; treatment of osteosarcomata by physical agents, 130; in intra-oral cancer, 177; modern conception and treatment of uterine fibroids, 197; submucous fibroids and their treatment, 198; examinations of blood of patients with carcinoma of uterine cervix during treatment with, 198; value of intravenous injections of dextrose during radiation treatment of malignant disease, 230; importance of vascular permeability in therapeutic use of, in malignant disease, 230; parasternal invasion of thorax in breast cancer and its suppression by use of tubes of, as operative precaution, 272; treatment of cancer of rectum with, by open operation, 286; end-results of treatment with, in carcinoma of cervix uteri, 291; malignant tumors of thyroid gland treated by operation, roentgen rays, and, 364; radiobiology of carcinoma of cervix submitted to, at distance, 393; present status of therapy of cancer of uterus, 394; treatment of tumors of bladder with physical agents, 406; seven-year cure of cancer of bladder from treatment with, 407; radiological versus operative treatment of cancer of uterus, 476; treatment of cancer of cervix of uterus with, 477; treatment of brain tumors by irradiation, 453
Radius, Open reduction of fractures of forearm, 133; treatment of fracture of lower end of, 221; new operative procedure for dislocation of head of, 420; congenital radio-ulnar synostosis, 498
Radon seeds, Action of, on tumor and liver cells of rat, 58
Raynaud's disease, Erroneous diagnosis of, in obliterative vascular disease, 54; vasomotor disturbances simulating, 54
Rectopexy, My method of, 286
Rectum, Prolapse of, 25; treatment of carcinoma of, by irradiation, 25; principles underlying surgery of carcinoma of, 26; transplantation of ureters into, to secure sphincteric urinary control in incurable vesicovaginal fistula, 113; treatment of cancer of, with radium by open operation, 286; cancer of pelvic colon and, 286; diagnosis of cancer of, 472; choice of operation in carcinoma of, 472; symptoms of, 472; abdominal extirpation of cancer of upper part of, 472
Retina, Arterial hypertension and changes in, 88; glaucoma following obstruction of central vein of, 259; some points in connection with detachment of, 261; photographic study of holes in macular region and associated changes, 261; Lagrange's surgical treatment of detachment of, 261; changes in fovea during accommodation, 448; angioid streaks in, 448
Retinal artery, Bilateral prepapillary vascular loop of, 4; arterial spasm and occlusion of branches of central, 5; embolism of, 175
Retinal vein, Glaucoma following obstruction of central, 259
Retinitis, With massive exudates, 359; punctata albescens, 359
Retrobulbar neuritis and infection of accessory nasal sinuses, 261
Ribs, Technique of resection of first two, by postero-external, suprascapular route, 15
Rice bodies, Formation of, in tuberculosis, 217
Rickets, Relation of, of lower extremities to genu valgum and static flat-foot, 415
Roentgen ray, Diathermy in treatment of ulcerations due to, 58; effects of, on development of embryo of hen, 208
Roentgen-ray diagnosis, Rôle of lipiodol in surgery of medullary tumors, 9; iodism following intrabronchial injection of lipiodol, 11; primary tumors of lung, 12; of thymus in children, 14; new iodine compound for cholecystography, 27; physostigmine as aid in gastrointestinal, 100; safety of hysterography, 109; pyelography and pyeloscopy in diagnosis of tumors of kidney and renal pelvis, 122; intracarotid injections and substances opaque to roentgen ray which are suitable for injection, 136; uses and limitations of pneumography by lipiodol, 183; of intrathoracic growths, 185; common-duct stasis revealed by tetraiodophenolphthalein test, 194; roentgenograms of fractures of femur, 222; blood-vessel visualization, 225; of skull and intracranial lesions, 268; indications for, and technique of, ventriculography, 268; chronic meningeal (post-traumatic) headache and its specific treatment by lumbar air insufflation, 270; of malignant

neoplasms of lung, 273; medical cure under radiological control of craterous ulcers of stomach, 276; dangers of uterosalpingography, 290; early, of renal tumors, 302; determination of age of a fracture by, 308; roentgenological visualization of cerebellum, 365; of primary carcinoma of lung, 375; findings with barium bougie in cardiospasm, 377; use of amyl nitrite as antispasmodic in roentgen examination of gastrointestinal tract, 380; acute intussusception reduced under fluoroscopic control, 384; toxic effects of dyes used in cholecystography, 391; concentration of cholecystographic media by gall bladder, 391; intramural and isthmic portion of fallopian tubes with special reference to so-called "isthmospasm" based on clinical X-ray lipiodol study and uterotubal insufflation in tubal occlusion, 396; of pelvic lesions in female, 397; study of placental circulation in multiple pregnancies by stereoroentgenographic method, 399; roentgenographic measurement of compensatory hypertrophy of kidney remaining after nephrectomy, 405; cystography, 406; of syphilis and fibrous dystrophy of long bones, 410; surgical lesions of right lower quadrant demonstrated in patients with chronic deforming arthritis by X-ray opaque-meal examination, 411; roentgenography of third ventricle, 453; technique of bronchography with iodized oil, 457; value of lateral exposure in roentgen examination of chest, 459; of epiphyseal separations, 499; of tuberculosis of cervical lymph nodes in pregnancy, 505

Roentgen-ray treatment, Of cancer of breast with and without subsequent roentgen treatment, 11; of thymus in children, 14; of carcinoma of rectum, 25; action of X-rays on endocrine glands, 60; of malignant tumors of nasopharynx, 90; in malignant diseases of thyroid gland, 93; laryngeal complications of irradiation, 93; of cancer of breast, 96; postoperative, of carcinoma of breast and its technique, 96; repeated pregnancy after amenorrhœa induced by, of ovaries, 116; treatment of osteosarcomata by physical agents, 130; of tuberculous cervical lymph glands, 138; combined with lead therapy in malignancy, 142; of cancer of breast after operation, 182; submucous fibroids and their treatment, 198; artificial menopause, 201; of periosteal sarcoma, 217; of acute purulent inflammations, 228; importance of vascular permeability in, of malignant disease, 230; value of intravenous injections of dextrose during, of malignant disease, 230; in bacterial inflammations, 315; in erysipelas, 317; for malignant tumors of thyroid gland, 364; influence of, on gastric secretion, 380; of tumors of bladder, 406; results of deep, in cancer of uterus, 477; treatment of brain tumors by irradiation, 453

SACCUS endolymphaticus, Formation of circumscribed intradural abscess at site of, 89; surgical treatment of vertigo by opening, 89, 176

Sacro-iliac arthrodesis, Indications, technique, and end-results of, 417

Sacro-iliac syndrome, 305

Salivary glands, Structure and origin of "mixed" tumors of, 87

Sarcoma, Treatment of, of bones by physical agents, 130; prognosis and treatment of giant-cell, 231; neurogenic, 369

Scaphoid, Mechanism of fracture of tarsal, 422; etiological factors in sciatic, 132; continuous traction in treatment of, 412

Semen, Relation of human, to mucus of cervix uteri, 476

Semilunar cartilages, Injuries of, 220; cysts of, of knee, 305

Seminal duct, Physiology and therapy of, 408

Seminal vesicles, Treatment of genital tuberculosis in male, 45; backache due to seminal vesiculitis, 45; posterior excision of, 495

Septicæmia, Localization and frequency of metastases of puerperal sepsis, 298; general sepsis of otitic origin treated, by blood transfusion and germicidal dye, 361

Sex hormone, Blood test for female, 478

Sex ratio, Influence of alcohol on, in mice, 403

Shock, Test of, from cold in hæmolytic icterus, 195

Shoulder, Second-type arthritis as exemplified in, 412

Sinus, Depressed fractures of anterior wall of frontal, 1; surgical intervention in infections of lateral, and internal jugular vein, 1; empyema of frontal, in young children, 7; malignant neoplasm of antrum, 7; meningitis due to infection of sphenoidal, 9

Sinus pericranii, Origin and relation of, to hæmangioma and abnormal arteriovenous communication, 356

Sinuses, Pediatric aspects of otolaryngology, 5; relation of nasal polypi to inflammation of accessory, of nose, 6; meningitis of nasal origin, 6; Recklinghausen's fibrous osteitis of sphenoid and ethmoid, 90; differentiation between ophthalmic and sinus headaches, 259; retrobulbar neuritis and infection of accessory nasal, 261; influence of infection of paranasal, in infants and young children upon certain systemic conditions, and influence of certain systemic conditions in infants and young children upon method of treating co-existing sinusitis, 263

Skin, Grafting of, in laryngeal cavity by Thiersch method, 93; inadequate preparation of, as cause of postoperative wound infection, 506

Sinusitis, Influence of paranasal sinus infections in infants and young children upon certain systemic conditions, and influence of certain systemic conditions in infants and young children upon method of treating co-existing, 263; varying symptomatology of chronic maxillary, depending on pathology present, 263; intranasal surgical treatment of chronic maxillary, 361

Skull, Tumors of base of, 179; radiology as aid in diagnosis of lesions of, 268; relation of reducible blood tumor of, to hæmangioma and abnormal arteriovenous communication, 356; dura mater in decompressive operations of, 366; malignant intracranial endotheliomata, 366

Sodium citrate, Quick arrest of genital hæmorrhage in female by injection of concentrated solution of, 137

Spermoculture, Latent gonococcus and, 45

Sphenoidal sinus, Meningitis originating in, 6, 9; Recklinghausen's fibrous osteitis of, 90

Spinal cord, Rôle of lipiodol in surgery of medullary tumors, 9; tumors of, 9; medullary compression by primary tuberculous cervical pachymeningitis, 95; section of anterolateral tract of, 366; structure and function of interstitial tissues of central nervous system, 456; vital staining of Del Rio Hortega's microglia and its application in diagnosis of focal processes and tumors of central nervous system, 456

Spine, Anatomy, physiology and anomalies of, 48; lower dorsal kyphosis in adolescents, 131; method of fixation of, in tuberculous spondylitis in children, 132; etiological factors in certain cases of so-called sciatic scoliosis, 132; fractures of, 134; tabetic Charcot's, 219; osteochondritis of, 220; comparative results of operative and non-operative methods of treating tuberculosis of, in children, 220; simple uncomplicated rotary dislocation of atlas, 221; fractures of first cervical vertebra, 221; bullet free in spinal canal, 270; diagnosis and treatment of compression fractures of, 309; treatment of fractures of thoracic and lumbar vertebræ, 310; continuous traction in treatment of scoliosis, 412; extradural tumors of, 454

Splenectomy, 392; indications for, 195; in pernicious anæmias and leukæmias, 474; results of, for purpura hæmorrhagica, 475, 505
Spondylitis, *See* Spine
Squint, Mechanics of operation for, 4
Staphylococcus aureus, Recurrent multiple osteomyelitis due to, 130
Sterility, Treatment of, of uterine origin, 33; diagnosis and treatment of, of tubal origin, 33; working classification of causes of, 397; study of, by peruterine insufflation and kymograph, 478
Sterilization, Dry, of instruments, 3; of sharp instruments, 509
Stomach, Perforation of ulcer of, in boy of twelve, 16; acute perforation of ulcers of, 16; pylorectomy for ulcer of, 17; primary resection of, in perforating ulcer of, 17; final results of gastric resections for cancer of, 17; status of gastro-enterostomy in surgery of, 17; effect of Billroth II resection of, on function and structure of pancreas and on intestinal absorption, 18; physostigmine as aid in gastro-intestinal roentgen-ray diagnosis, 100; effect of experimental pyloric stenosis on secretion of, 101; relation of chronic gastritis to achylia and ulcer of, 101; peptic ulcer, 101; treatment of hæmorrhage of, 101; part played by infection in development of certain ulcers of, 102; conservative surgery for ulcer of, 102; choice of operations for ulcer of, 102; complete gastrectomy for chronic ulcer of, with observations on effect of loss of, on physiology of digestion in man, 103; results of twenty-five years' operative treatment of ulcer of, 186; partial gastrectomy versus gastro-enterostomy for ulcer of, 187; secondary resections of, in disease conditions after gastro-enterostomy, 188; changes in chemistry of contents of, following operations on, 188; study of external function of pancreas in cholecystitis and gastroduodenal ulcer by simple and fractional examination of duodenal juice, 194; medical cure under radiological control of craterous ulcers of, 276; corrective surgery following unsuccessful operations for ulcer of, 277; vomiting after operations on, 278; use of amyl nitrite as antispasmodic in roentgen examination of gastro-intestinal tract, 380; influence of roentgen rays upon secretion of, 380; investigation into defects in pyloric part of, 380; end-results of treatment of ulcers of, by gastro-pylorectomy, 380; concomitant gastric and duodenal ulcers two and one-half years after operation, 381; lymphogranulomatosis of, 381; principles of surgery of, 381; management of lesions of, and duodenum complicated by hæmorrhage, 381; successful resection of upper half of, 383; duodenal regurgitation as factor in neutralization of acidity of, 384; snail, and partial insufficiency of pylorus, 385; volvulus of, 461; elective localization of streptococci isolated from cases of peptic ulcer, 461; mechanism of pain production in peptic ulcer, 462; inflammatory and toxic factors in pathology of gastroduodenal ulcer, 462; peptic ulcer after extensive resection of, 463; ambulatory treatment of peptic ulcer, 464; ulcer of, and jejunum, 464; treatment of ulcer of, 464, 465; ulcers of, and jejunum and gastrojejunocolic fistulæ, 464; care of ulcers of, by intensive alkaline treatment, 465; trend of surgery of, 466; fatal dysenteric enteritis directly secondary to gastro-enterostomy or extensive gastric resection for ulcer of, 467; late results of gastro-enterostomy in ulcer of lesser curvature of, 467; acidity of, following gastric resections, 468
Strabismus, Mechanics of squint operation, 4
Streptococci, Tests of virulence of, in treatment of cancer of uterus, 290
Suprarenalectomy in juvenile endarteritis obliterans and Buerger's disease, 54
Suspension, Traction and, 418
Sympathectomy, Results of periarterial, according to inquiry made among surgeons of Russia in 1926, 181; effect of, of hepatic artery on wound healing and on biligenic and glycogenic function of liver, 287; discordance between local hyperthermia following, and findings of study of arterial circulation in these cases, 137; superior cervical sympathetic ganglion in angina pectoris, 271; relation of distribution of sympathetic rami to brachial plexus to, affecting upper extremity, 369; periarterial, in freezing, 455
Sympathetic ganglion, Microscopic study of superior cervical, in angina pectoris, 271
Symphysiotomy, Partial, as compared with cæsarean section in contracted pelvis, 297
Syphilis, Optic nerve pallor without functional disturbances in luetics, 175; induction of abortion in, 297; tumors of brain and, 365; analysis of Wassermann reactions in 2,000 pregnant women, 480
Symphysis pubis, Separation of, during labor, 486

TABES, Tabetic Charcot's spine, 219
Tannic acid in treatment of denuded surfaces, 507
Tarsectomy, Late results of atypical, in diffuse tuberculosis of posterior tarsus in children, 49
Tarsus, Late results of atypical tarsectomies in diffuse tuberculosis of posterior, in children, 49; late results of operation in tibiotarsal tuberculosis of infants, 307; mechanism of fracture of scaphoid of, 422
Teeth, Pathology of dentigerous cysts, and treatment, 2; treatment of chronic fusospirillary infection of periodontal membrane, 176
Tendon of Achilles, Rupture of, 132
Tendons, Regeneration of, 218
Tendovaginitis stenosans, Pathogenesis of, 218
Testicle, Treatment of genital tuberculosis in male, 45; classification of malignant tumors of testicle, 128; diagnosis and treatment of malignant tumors of, 495; diagnosis and treatment of teratoma of, 495
Tetany, Cataract and postoperative, 447; chronic postoperative, 507
Tetra-iodophenolphthalein, Common-duct stasis revealed by, in patient who had been subjected to cholecystectomy, 194; toxic effects of sodium 391
Thoracoplasty, Surgical treatment of pulmonary tuberculosis, 374; comparison of operations and results in non-tuberculous pulmonary suppuration, 374
Thorax, *See* Chest
Throat, *See* Pharynx
Thrombo-angiitis obliterans, Erroneous diagnosis of Raynaud's disease in, 54; of lower extremities with pulsating pedal arteries, 54; primary involvement of upper extremities in, 136; diagnosis and treatment of arterial disease of extremities, 311
Thymic stridor, 14
Thymus, Roentgen diagnosis and therapy of, in children, 14; obsession, 458
Thyroglossal duct, Technique of removal of cysts and sinuses of, 363
Thyroid, Malignant disease of, 92; radiation therapy in malignant diseases of, 93; aberrant, 178; regeneration of, and prevention of recurrent goiters, 264; hyperthyroidism and its relation to benign tumors of, 264; malignant tumors of, treated by operation, radium, and roentgen rays, 364; relation of hyperthyroidism to benign tumors of, 449; anæsthesia in surgery of, 451
Tibia, Late results of operation in tibiotarsal tuberculosis of infants, 307

Tongue, Treatment of cancer of, 91; cystadenoma pseudopapilliferum malignum of kidney with metastases in, 123; cervical lymph nodes in intra-oral carcinoma, 177; radium in intra-oral cancer, 177; surgery in intra-oral cancer, 362
Tonsil, Surgical diathermy for malignant tumors in anterior air passages, 263
Tonsillectomy, Pulmonary abscess following, 97
Torula infection in man, 232
Trachea, Action of cough on material in tracheobronchial tract, 371
Tracheotomy, Reverse, with new instrument, 183
Trachoma, Experimental studies of, 3
Traction and suspension, 418
Transfusion, *See* Blood transfusion
Trendelenburg position, Injury of two upper roots of brachial plexus during laparotomy with patient in, 10
Trephination, Indirect injury of brain treated by, one and one-half years ago, 267
Trigeminal nerve, Experimental anatomicopathological basis of surgical treatment of neuralgia of, and changes in gasserian ganglion in retrogasserian neurotomy, 180; fractional section of sensory root as major operation in neuralgia of, 180
Trochanter, Isolated fracture of lesser, 420
Tuberculosis, Fundamentals and clinical aspects of light treatment in, 58; formation of "rice bodies" in, 217
Tumors, Action of radon "seeds" on, of rat, 58; incidence and inheritability of spontaneous, in mice, 141; new method for rapid microscopical diagnosis of, 142; vascular patterns of, 143; cytological key to diagnosis and prognosis of neoplasms, 512. *See also* names of tumors and organs
Tunica vaginalis, Multiple fibromata of, 44

ULCERS, *See* names of organs
Ulna, Open reduction of fractures of forearm, 133; fractures of upper third of, 133; congenital radio-ulnar synostosis, 498
Ulnar nerve, Delayed paralysis of, following fractures of external condyle of humerus, 95
Ultraviolet light, Uses and limitations of therapy with, 58
Umbilical cord, Pathology of, 295
Umbilicus, Urachus and fistulæ of, 31; endometrial tumor of, 460
Urachus and umbilical fistulæ, 31
Ureter, Ectopic kidney with triple, removed from man aged forty-one years, 38; recurrent pyelonephritis in patient operated upon for renal ptosis and bifid, 39; bilateral ureterotomy for calculus in young child, 40; calcareous concretions probably of ovarian origin simulating calculi of, 112; transplantation of, into bowel to secure sphincteric urinary control in incurable vesicovaginal fistula, 113; anatomical and pathological background of stricture of, 124; surgical treatment of, with extravesical opening, 124; studies on, and bladder with special reference to regurgitation of vesical contents, 125; metastatic carcinoma in, 125; stricture of, and chronic pyelitis in children, 213; simple improvised method of extracting deep calculi from, 213; stricture formation in, following pyelonephritis of pregnancy, 213; ureterovaginal and vesicovaginal fistulæ combined, 293; anomalies of, 300; villous tumors of, 302; dilatation of, in male, 405; rate of regeneration of, 492
Ureterostomy, Iliac, of remaining kidney in tuberculosis of bladder after nephrectomy, 40
Ureterotomy, Bilateral, for calculus in young child, 40
Urethra, Posterior varieties of double, 41; diverticula of, 42; cause of renal back-pressure in obstructive lesions of, and bladder neck, 493; rupture of, 494
Urethritis, Pyelonephritis and its relation to non-gonorrhœal, 301
Urinary tract, Obstruction of, 128; poliomyelitis involving, 128; hexylresorcinol in infections of, 129; urological problems in infancy and childhood, 216; abnormalities of, 408; practical value of chemical analysis of blood in urological conditions, 495; unusual calculi in, 496; granulomata in, 497
Urine, Lithogenic action of staphylococci by precipitation of crystals of ammonium magnesium phosphate in, 40; incontinence of, of renal origin, 118; diversion of, in incurable vesical tuberculosis, 493; relief of congenital and traumatic incontinence of, by operation, 497
Urological problems in infancy and childhood, 216
Urology, Anæsthesia in urological surgery, 46
Uterosalpingography, Dangers of, 290
Uterus, Wertheim's hysterectomy for carcinoma of cervix, 32; diagnosis and treatment of sterility of uterine origin, 33; fibromyomata of, and pregnancy, 35; rupture of, at site of previous cæsarean section, 36, 399; unusual forms of parametrial suppuration, 109; sarcoma developing in fibromyoma of body of, 109; malpighian cancer of body of, probably spread from cancer of cervix of, 109; relation of degree of histological malignancy to prognosis and treatment of carcinoma of cervix of, 110; radiation treatment of malignancy of cervix of, by radium emanation, 110; dangers of radium irradiation in treatment of cancer of, 111; Wertheim's operation in treatment of cancer of cervix of, 111; ovarian metastasis with cancer of body of, 113; topography and clinical aspects of tumors of female genitalia, 114; mechanism of laceration of cervix of, during labor, 116; spontaneous rupture of, before or during labor, 117; changes in bladder in cases of cancer of, treated by irradiation, 126; quick arrest of genital hæmorrhage in female by injection of concentrated solution of sodium citrate, 137; modern conception and treatment of fibroids of, 197; submucous fibroids of, and their treatment, 198; carcinoma of cervix of, 198; examination of blood of patients with carcinoma of cervix during treatment with radium, 198; review of 2,000 patients registered in Gynecological Clinic of University of Michigan Hospital, with special reference to abnormal bleeding of, 200; indications for surgical intervention in pelvic lesions of infectious origin, 202; co-existence of carcinoma of fundus of, and pregnancy, 203; puerperal inversion of, 207; tests of virulence of streptococci in treatment of cancer of, 290; tertiary syphilis of, and adnexa, 290; five-year end-results of radium treatment in carcinoma of cervix of, 291; cyst of ovary diagnosed as fibromyoma of, 292; perforation of, 294; early retroversion of, after delivery; 298; total gangrene of, during puerperium, 299; electrodiathermy in treatment of benign and malignant lesions of cervix of, 393; age incidence of carcinoma corporis uteri, 393; epidermidalization of cervix of, and its relation to malignancy, 393; radiobiology of carcinoma of cervix of, subjected to radium therapy at distance, 393; present status of therapy of cancer of, 394; abdominal reposition in acute inversion of puerperal, 401; defundation of, as conservative measure in myomata and hyperplasia of endometrium, 476; radiological or operative treatment of cancer of, 476; relation of human semen to mucus of cervix of, 476; results of deep roentgen therapy in cancer of, 477; radium treatment of cancer of cervix of, 477; abdominal pregnancy following supravaginal amputation of, 480; median anterior and posterior incisions made in cervix of, in

course of labor prolonged by rigidity of cervix of, 485; delivery expedited by large median anterior and posterior incision made in cervix of, at onset of dilatation, 485; hæmorrhages following delivery treated by application of clamps which were left in place, 486; subcutaneous exteriorization of incision in, after late cæsarean section, 486
Uvea, Entropium of, 174

VAGINA, Transplantation of ureters into bowel to secure sphincteric urinary control in incurable vesicovaginal fistula, 113; histological changes in, in different phases of functional cycle of ovary, 292; ureterovaginal and vesicovaginal fistulæ combined, 293
Varicocele, Hæmaturia due to vesical varices associated with pelvic, cured by resection of, 406
Varicose veins, Etiology and treatment of, 52; injection treatment of, and their sequelæ, 53, 136; of leg from point of view of etiology and surgical treatment, 53; treatment of, with sugar injections combined with venous ligation, 502
Vasoligation as preventive of epididymitis before and after prostatectomy, 494
Vein, Surgical intervention in infections of lateral sinus and internal jugular, 1; glaucoma following obstruction of central, of retina, 259
Veins, Fate of foreign bodies in venous circulation, 225; etiology and treatment of varicose, 52, 53; injection treatment of varicose, and their sequelæ, 53, 136; treatment of varicose, with sugar injections combined with venous ligation, 502
Vena cava, Effects of denudation of inferior, at its beginning at renal vein, 502
Ventricles, Observations regarding ventricular punctures, 365
Ventriculography, Indications for and technique of, 268
Version, Investigation into results of breech labor and of prophylactic external cephalic, during pregnancy, 36; technique of external, 36
Vertebræ, *See* Spine
Vertigo, Surgical treatment of, by opening saccus endolymphaticus, 89, 176
Visual fields, Relation of cupping of optic disk to, in glaucoma, 174; types of defects of, 260
Vision, Sight-saving class work from standpoint of ophthalmologist, 447
Vitamines, Relation of deafness to diet deficient in, 5
Vitreous, Loss of, in cataract extraction, 260
Vomiting after operations on stomach, 278

WASSERMANN reaction, Analysis of, in 2,000 pregnant women, 480
Whitlow, Hutchinson's melanotic, 140
Wounds, Effect of sympathectomy of hepatic artery on healing of, 287; unusual fatal infection of operative, yielding pathogenic anaerobe of gas-gangrene group not hitherto described, 313; inadequate skin preparation as cause of infection of operative, 506
Wrist, Arthrodesis of, 416

X-RAY, *See* Roentgen ray

BIBLIOGRAPHY INDEX

Surgery of the Head and Neck

Head, 62, 145, 233, 318, 423, 513
Eye, 62, 145, 233, 318, 423, 513
Ear, 63, 146, 234, 319, 424, 514
Nose and Sinuses, 64, 147, 234, 320, 425, 514
Mouth, 65, 147, 235, 320, 425, 515
Pharynx. 65, 147, 235, 320, 425, 515
Neck, 65, 147, 235, 321, 426, 515

Surgery of the Nervous System

Brain and Its Coverings; Cranial Nerves, 66, 148, 236, 321, 427, 516
Spinal Cord and Its Coverings, 67, 149, 322, 428, 517
Peripheral Nerves, 67, 149, 237, 322, 428, 517
Sympathetic Nerves, 67, 149, 237, 322, 428, 517
Miscellaneous, 67, 149, 237, 322, 428, 517

Surgery of the Chest

Chest Wall and Breast, 68, 150, 237, 323, 428, 518
Trachea, Lungs, and Pleura, 68, 150, 237, 323, 428, 518
Heart and Pericardium, 69, 151, 238, 323, 430, 519
Œsophagus and Mediastinum, 69, 151, 238, 324, 430, 519
Miscellaneous, 69, 151, 238, 324, 430, 519

Surgery of the Abdomen

Abdominal Wall and Peritoneum, 69, 151, 239, 324, 430, 519
Gastro-Intestinal Tract, 69, 151, 239, 325, 431, 520
Liver, Gall Bladder, Pancreas, and Spleen, 71, 154, 241 327, 433, 522
Miscellaneous, 73, 155, 242, 328, 434, 523

Gynecology

Uterus, 73, 156, 243, 329, 435, 523
Adnexal and Periuterine Conditions, 74, 156, 243, 329, 435, 524
External Genitalia, 74, 157, 244, 330, 435, 525
Miscellaneous, 74, 157, 244, 330, 436, 525

Obstetrics

Pregnancy and Its Complications, 75, 158, 245, 331, 436, 525
Labor and Its Complications, 76, 160, 247, 332, 437, 526
Puerperium and Its Complications, 77, 161, 248, 333, 438, 527
Newborn, 77, 161, 249, 333, 438, 527
Miscellaneous, 77, 161, 249, 334, 438, 528

Genito-Urinary Surgery

Adrenal, Kidney, and Ureter, 77, 162, 249, 334, 438, 528
Bladder, Urethra, and Penis, 78, 162, 250, 335, 439, 529
Genital Organs, 79, 163, 250, 335, 440, 530
Miscellaneous, 79, 163, 251, 335, 440, 530

Surgery of the Bones, Joints, Muscles, Tendons, Etc.

Conditions of the Bones, Joints, Muscles, Tendons, Etc., 79, 164, 251, 336, 440, 531
Surgery of the Bones, Muscles, Tendons, Etc., 81, 165, 253, 337, 442, 532
Fractures and Dislocations, 81, 166, 253, 338, 442, 532
Orthopedics in General, 253, 339, 443, 533

Surgery of the Blood and Lymph Systems

Blood Vessels, 82, 167, 254, 339, 443, 533
Blood; Transfusion, 82, 167, 254, 340, 444, 533
Lymph Vessels and Glands, 83, 168, 254, 341, 444, 534

Surgical Technique

Operative Surgery and Technique; Postoperative Treatment, 83, 168, 255, 341, 444, 534
Antiseptic Surgery; Treatment of Wounds and Infections, 84, 168, 255, 341, 444, 534
Anæsthesia, 84, 169, 255, 342, 445, 534
Surgical Instruments and Apparatus, 169, 342, 445, 535

Physicochemical Methods in Surgery

Roentgenology, 84, 170, 256, 342, 445, 535
Radium, 84, 170, 256, 343, 445, 535
Miscellaneous, 84, 170, 256, 343, 445, 535

Miscellaneous

Clinical Entities—General Physiological Conditions, 85, 170, 257, 343, 446, 535
General Bacterial, Protozoan, and Parasitic Infections, 85, 171, 257, 344, 446, 536
Ductless Glands, 86, 172, 258, 446, 536
Surgical Pathology and Diagnosis, 86, 172, 258, 344, 446, 536
Experimental Surgery, 172, 344
Hospitals; Medical Education and History, 172, 258, 344, 536

AUTHOR INDEX

Abadie, J., 17
Addison, O. L., 90
Adler, F. H., 173
Albee, F. H., 304, 421
Allen, D. S., 372
Allen, E. V., 54
Allen, J. H. 472
Alvarez, W. C., 16, 468
Alyea, E. P., 494
Anderson, J., 371
André, P., 40
Andrei, O., 308
Andresen, A. F. R., 101
Angelelli, O., 135
Antonucci, C., 300
Arauz, S. L., 452
Archibald, E., 371, 374
Arens, R. A., 217
Arisz, L., 380
Armani, L., 96
Arn, R. D., 129
Arnaud, M., 506
Arnoult, N., 88
Auvray, 501

Babaiantz, L., 461
Babcock, W. W., 100
Bailey, H., 399, 494
Baird, D., 36
Baker, S. J., 402
Balado, M., 453
Balboni, G. M., 373
Balfour, D. C., 381
Ballantyne, A. J., 359
Bandler, C. G., 495
Banzet, 366
Baranger, 90
Barbellion, P., 45
Bargen, J. A., 386
Bariéty, M., 11
Barlow, R. A., 5
Barnes, F. L., 108
Barnett, L. E., 511
Barthélemy, 398
Bass, M. H., 356
Basset, 387, 468
Basset, A., 10, 388
Beadle, O. A., 474
Beckman, H., 509
Bedell, A. J., 261
Beer, E., 406
Begg, R. C. 31, 118
Beigelman, M. N., 447
Belcher, G. W., 300
Belden, W. W., 14
Belfield, W. T., 408
Beller, A. J., 279
Benda, R., 295
Bérard, 130
Berghausen, O., 232
Bernard, A., 95
Bernard, R., 227
Bernheim, B. M., 225
Bernstein, M. A., 217
Berntsen, A., 53
Berry, Sir J., 90
Biancheri, T., 122
Bianchi, G., 471
Bierendempfel-Pleick, E., 294
Bilger, F., 406
Blake, J. A., 418
Bledsoe, R. W., 358
Bohmansson, G., 188
Bohnen, P., 485
Boldyreff, W. N., 380
Bollman, J. L., 386, 391
Bonnet, P., 109
Bonney, V., 283
Boorstein, S. W., 134, 220
Boothby, W. M., 273, 459
Boppe, 19
Borchers, E., 383
Bordier, H., 58
Botreau-Roussel, 105
Botsford, M. E., 46
Bourde, Y., 505
Bowing, H. H., 25, 364
Boyd, W., 27
Boyden, E. A., 390
Braasch, W. F., 406, 497
Bracci-Torsi, H., 502
Brain, W. R., 453
Brehm, W., 486
Breitkopf, E., 461
Brennemann, J., 387
Brenner, E. C., 21
Bressot, 217
Brindley, G. V., 23
Brisset, 132
Bristow, W. R., 305, 418, 498
Brofeldt, S. A., 209
Brougher, J. C., 188
Brouha, 296
Brown, A. L., 371
Brown, E. V. L., 447
Brown, G. E., 54, 311
Brown, R. K. L., 303
Bruegelmann, C., 298
Brun, R. G., 60
Brunn, H., 186
Buchbinder, J. R., 275
Buchbinder, W. C., 287
Bué, V., 482
Bunnell, S., 91
Burden, V. G., 288
Burnam, C. F., 177
Butler, H. B., 103
Butler, T. H., 175

Cabot, H., 493
Cadenat, 104, 105
Calhoun, J. P., 448
Campbell, M. F., 127, 231, 408
Cantelmo, O., 503
Caorsi, L. J., 283
Capizzano, N., 477
Capps, J. A., 274
Caraven, 387
Carey, E. J., 48
Carnett, J. B., 192, 225, 284
Carp, L., 313
Carranza, F., 477
Carrington, G. L., 185
Carson, W. J., 125, 405
Carvill, M., 173
Casariego, A. G., 42
Case, J. T., 380
Cassuto, A., 300
Castellani, A., 511
Cayla, A., 195
Caylor, H. D., 391
Champion, A. N., 451
Chapman, J. F., 459
Chapman, S. J., 6
Charbonnel, 282
Charles-Bloch, 380
Chatillon, F., 33
Chauvin, E., 41
Chevassu, 302
Choisy, R., 461
Christopher, F., 345
Christopherson, J. B., 511
Ciminata, A., 18
Clark, S. L., 271
Clerf, L. H., 93
Clow, A. E. S., 32
Clute, H. M., 138
Cockayne, E. A., 496
Coffey, R. C., 286
Cohen, M., 357
Cohn, I., 133
Coley, W. B., 231
Colledge, L., 266
Collings, C. W., 494
Collins, L., 317
Condamin, F., 1
Conley, A. H., 220
Constam, G. R., 136
Constans, G. M., 173
Conwell, H. E., 133
Corbus, B. C., 213, 301
Cornil, L., 115
Corwin, J., 295
Cosacesco, 468
Cosgrove, K. W., 357
Cotton, F. J., 50, 420
Counseller, V. S., 387, 390
Crabtree, E. G., 213
Craig, G., 303
Craig, W. McK., 366
Crainicianu, A., 506
Crane, J. F., 484
Craver, L. F., 60
Creyx, 267
Crosbie, A. H., 492
Crowe, S. J., 261, 372
Crowther, W. L., 401
Cruickshank, J. N., 205
Cryderman, W. J., 280
Cubbins, W. R., 220
Cuizza, T., 290
Cumming, R. E., 491
Cunéo, 380
Curtis, A. H., 202
Cutler, C. W., Jr., 285
Cutler, E. C., 458
Cutler, I. H., 128
Cutler, M., 369

Dahl-Iversen, E., 194, 419
Dallera, N., 292
Danforth, W. C., 213
Danhiez, P., 121
Dansey, St. J. W., 16
Darcissac, M., 2
Darget, R., 39
David, V. C., 16
Davidson, H. S., 204
Davis, C. H., 297
Dean, A. L., Jr., 126
Dean, L. W., 6, 263
Déchaume, M., 1
Dega, W., 130
De Kleijn, A., 175
Delagénière, Y., 9
Delcour, J., 95
DeLee, J. B., 116
Delrez, L., 279
Del Rio-Hortega, P., 179
Delzell, W. R., 490
Demel, R., 383
Denis, R., 95
Derby, G. S., 173
Desgouttes, L., 95
Desjacques, R., 15
Desplas, B., 30
Despons, J., 1
Devèze, L., 111
Devine, H. B., 17
Dick, B. M., 391
Dimond, L., 45
Diss, A., 182
Dittrich, K. von, 218
Dixon, W. E., 396
Dodds, G. H., 480
Donati, M., 131
Donovan, C., 453
Dore, E., 58
Dott, N., 89
Douay, E., 33
Doubleday, F. N., 176
Dougal, D., 399
Dowden, J. W., 283
Dowling, E., 454
Dózsa, E., 302
Draper, J. W., 386
Dresser, R., 380
Droegemueller, E. H., 101
DuBose, F. G., 28

Dudgeon, L. S., 142
Duffy, J. J., 177
Dumas, A., 137
Dunham, E. C., 505
Dunhill, T. P., 92, 451
Dunphy, E. B., 260
Dusseldorp, M., 4
Dustin, A. P., 393
Duval, P., 21, 102, 505
Dyke, S. C., 137

Eberbach, C. W., 129
Eberts, E. M., 92
Eggers, C., 373
Eichhoff, E., 218
Eidinow, A., 58
Eisendrath, D. N., 301
Eliason, E. L., 469
Eliot, E., Jr., 18
Ellis, Z. H., 358
Elsberg, C. A., 366, 454
Else, J. E., 264
Ely, L. W., 309
Emerson, F. P., 263
Eskeles, I. H., 422
Eskelund, V., 221
Ewing, J., 177

Faber, K., 101
Fagge, C. H., 220
Fairbairn, J. S., 379
Falcone, R., 126
Fallis, L. S., 106
Faltin, R., 222
Farmer, H. L., 312
Farr, C. E., 377
Fasiani, G. M., 506
Faure, J. L., 507
Fedeli, F., 500
Feier, W. A., 228
Feldman, M., 184
Fenton, R. A., 259
Fey, 38
Fildes, G., 465
Finck, H. P., 176
Findley, P., 207
Finnoff, W. C., 3
Finochietto, R., 385
Finzi, N. S., 96
Finzi, O., 420
Fischer, 217
Fischer, A., 492
Fisher, A. L., 412
Fitts, W. T., 388
Fitzgerald, R. R., 92
FitzGibbon, G., 488
Fitzwilliams, D. C. L., 91
Florian, I., 506
Fluhmann, C. F., 393
Fontaine, R., 137
Fortin, E. P., 448
Fortin, H. J., 415
Fox, L. W., 260
Franck, A., 44
Frank, R. T., 478, 511
Fraser, J., 11
Fraser, J. R., 292
Fraser, J. S., 175, 361
Frazier, C. H., 180
Freed, F. C., 206
Freiberg, A. H., 49
Friedenwald, J., 184
Fronticelli, E., 290
Fruhinsholz, A., 298
Fry, R. M., 87
Fulde, E., 288
Fullerton, A., 118
Furniss, H. D., 293

Gabriel, W. B., 22
Gaenslen, F. J., 417
Gallagher, W. J., 191
Garcin, R., 179
Garipuy, 486
Gasne, 416
Gaudiani, V., 124
Gaudier, H., 470
Gauvain, Sir H., 58
Ghedini, A., 286
Gibberd, G. F., 36
Gibbons, R. A., 484
Giffin, H. Z., 392
Gile, H. H., 404
Ginzburg, L., 279
Gipner, J. F., 5
Gladstone, R. J., 471
Goar, E. L., 259
Goebel, 470
Goette, K., 365
Goldberger, M. A., 478
Gordon, C. A., 205
Gordon-Watson, Sir C., 22, 286.
Gottlieb, J., 302
Gottlieb, J. G., 300
Goyena, J. R., 283
Gradle, H. S., 259
Graham, E. A., 21
Granger, F. B., 315
Grant, F. C., 94, 268
Grantham, S. A., 132
Grasmann, M., 310
Grausman, P. M., 379
Graves, R. C., 125
Graves, W. P., 112
Gray, H. T., 498
Greenbaum, S. S. 225
Greene, C. H., 106
Greene, L. B., 492
Grégoire, R., 502
Gregora, H., 311
Grey Turner, G., 90
Grimault, L., 388, 401
Griscom, J. M., 4, 448
Grossman, J., 498
Gruca, A., 130
Guibal, P., 21
Guillemin, A., 115, 116
Guthrie, D., 89
Gwathmey, J. T., 508

Haden, R. L., 232
Hager, B. H., 406, 493
Hahn, E. V., 356
Haines, S. F., 450, 459
Halbertsma, K. T. A., 447
Hamant, A., 115
Hamrick, R. A., 26
Handley, W. S., 272
Hanford, J. M., 138
Hanrahan, E. M., Jr., 509
Hardisty, R. H. M., 464
Hare, D. C., 496
Harrah, F. W., 490
Harrington, S. W., 475
Hart, V. K., 8
Hartmann, H., 467
Haselhorst, G., 109
Hasselblatt, R., 294
Hatcher, R. A., 313
Hawthorne, A. B., 490
Hedblom, C. A., 98
Heimann, F., 126
Hellström, J., 39
Helmholz, H. F., 408
Hempstead, B. E., 361
Henderson, M. S., 311, 415
Hendry, J., 117
Henske, J. A., 176
Hermange, M., 95
Herndon, R. F., 219
Herrick, W. W., 295
Herrmann, L. G., 270
Hertzler, A, E., 108, 316, 363, 476
Heuer, G. J., 15
Hewitt, J., 36
Heyd, C. G., 389
Hey Groves, E. W., 499
Heyman, J., 476
Hirsch, E. F., 410
Hirsch, I. S., 273
Hirst, B. C., 479
Hofbauer, J., 35
Hoffmann, V., 193
Holmes, G. W., 12, 47, 380
Holtermann, C., 116
Hooper, C. W., 508
Hopkins, J. G., 173
Horne, J., 89
Horowitz, E. A., 294
Horsley, J. S., Jr., 28, 102, 187
Hortolomei, 405
Hosoi, K., 468
Howard, H. J., 174
Howitt, F. D., 358
Hubbard, W. B., 357
Hubleur, M., 301
Huet, J. A., 194
Hufford, S. R., 461
Hughes, C., 509
Hughson, W., 26
Humphreys, F. B., 313
Hunner, G. L., 213
Hunt, V. C., 39, 397, 407, 495
Huntington, J. L., 401
Hurley, M. V., 497
Hyde, T. L., 12
Hyman, H. T., 7

Ibrahim, A. B., 44
Ikeda, K., 203
Iler, D. H., 409
Illingworth, C. F. W., 192
Inberg, K. R., 224
Ingebrigtsen, R., 306, 407
Irving, F. C., 401
Iselin, H., 182
Ivy, A. C., 30, 101

Jackson, A. S., 507
Jackson, R. H., 221
Jacobsen, A. W., 2
Jacques, L., 447
Jaffe, H. L., 305, 379
Janes, R., 377
Jayle, F., 384
Jefferson, G., 221
Jellett, H., 117
Jennings, J. E., 98
Jobson, G. B., 176
Joelson, J. J., 125
Johnson, C. M., 46
Johnson, H. L., 276
Johnson, R. K., 386
Johnstone, R. W., 32
Jones, I., 465
Jones, L. W., 359
Jordan, S. M., 464
Judd, E. S., 28, 104, 362, 390
Junghagen, S., 381

Kadjar, M. K., 399
Kamner, M., 357
Kanavel, A. B., 304
Kaplan, I. I., 110
Keene, F. E., 113
Keith, Sir A., 410
Keller, R., 109
Kellogg, F. S., 401
Kendall, E. C., 27
Kern, R., 287
Kernan, J. D., 373
Kessel, L., 7
Key, B. W., 3
Key, E., 503
Key-Aberg, K., 279
Kidner, F. C., 220
Kilfoy, E. J., 495
Killian, J. A., 357, 495
Kinsella, T. I., 491
Kinsella, V. J., 462
Kirby, D. B., 4
Kirklin, B. R., 27, 375, 391
Kleinschmidt, 49
Klotz, O., 11
Koch, J., 281
Koenig, R., 200
Kohler, A., 228
Koontz, A. R., 228
Kopp, J. G., 11
Kornblum, K., 12
Kosmak, G. W., 207, 299
Kramer, S. E., 492
Kraske, H., 416
Kretschmer, H. L., 216
Kreutzmann, H. A. R., 128, 493
Kuntz, A., 369
Kunze, H., 295
Kurzrok, R., 476
Kuttner, T. T., 294

Lacouture, J., 399
Laewen, A., 306
Lahey, F. H., 464
Laidley, J. W. S., 300
Lambkin, E. C., 45

Lambrinudi, C., 132
Landa, P. A., 480
Lapointe, A., 19
Larimore, J. W., 21
Laroche, G., 194
Latzko, W., 487
Lawson, Sir A., 261
Layton, T. B., 6
Lecène, 501
Lee, F. C. 179
Lee, W. E., 457
Lee-Brown, R. K., 300
Legueu, 38
Lehman, E. P., 422
Lehmann, H., 472
Lenormant, C., 2
Leonard, V., 228
Leone, P., 287
Lepoutre, C., 229
Lepper, E. H., 496
Lerche, W., 371
Leriche, R., 105, 137, 501
Levine, M. I., 377
Lévy, G., 182
Lewis, D., 140, 179, 449
Lewis, F. P., 259
Lewis, W. H., 143
Lewisohn, R., 187
Libert, E., 11
Liepmann, W., 480
Lierle, D. M., 5
Lijó Pavía, J., 260
Lilienthal, H., 374
Lillie, H. I., 361
Lillie, W. I., 365
Lion, G., 316
Lister, Sir, W. T., 261
Litvak, S., 93
Lockwood, A. L., 376
Loefberg, O., 421
London Medical Society, 272
Lord, E. M., 403
Loubat, 267
Lower, W. E., 125, 127
Lowman, C. LeR, 412
Lowsley, O. S., 497
Luginbuehl, M., 460
Luhmann, K., 96
Lupton, I. M., 7
Lusskin, H., 305
Lyman, H. W., 262
Lynch, F. W., 198
Lynch, J. M., 25

MacAuley, C., 379
MacCarty, W. C., 512
MacDowell, E. C., 403
MacKenzie, D. W., 123, 490
Mackenzie, G. W., 262
MacLean, H., 465
MacLennan, A., 189
MacMurchy, H., 402
Macrae, D., Jr., 195
Magath, T. B., 493
Magnant, J. S., 453
Mallet-Guy, P., 15
Mandelbaum, M. J., 183
Mann, F. C., 468
Marion, 302
Marogna, P., 123
Marriott, McK., 5
Martin, E. G., 368
Martin, K. A., 177
Martin-Laval, 39
Martland, M., 496
Mason, J. T., 101
Mason, M. L., 218
Massart, 416
Massé, L., 399
Masson, J. C., 112
Mathé, C. P., 404
Mauclaire, 19
Mavrodin, D., 137
Maxwell, A. F., 399
Mayer, 380
Mayer, E., 58
McCready, J. H., 448
McCutchen, L. G., 222
McFarland, J., 272
McIndoe, A. H., 387
McPheeters, H. O., 136
McQueen, J. D., 204
McQueen, J. M., 287
McVicar, C. S., 388
McWhorter, G. L., 460
Meaker, S. R., 397
Mechling, C. C., 472
Meillère, J., 472
Meisen, V., 53
Meleney, F. L., 313
Melville, S., 185
Mentzer, S. H., 28
Merz, H., 405
Messeloff, C. R., 510
Meyer, A. W., 504
Meyer, J. L., 101
Michon, E., 40
Mikels, F. M., 393
Milch, H., 420, 510
Miles, W. E., 22
Millar, T. M'W., 475
Miller, C. J., 197
Miller, E. G., Jr., 476
Millul, G., 502
Mocquot, P., 500
Moersch, F. P., 365
Moersch, H. J., 273
Möller, W., 213
Moniz, E., 136
Moore, B. H., 419
Moore, C. U., 415
Moore, G. A., 420
Moore, I., 13
Morea, R., 453
Morgan, O. G., 358
Morris, J. H., 128
Morrison, L. F., 273
Morse, J. L., 458
Morson, A. C., 41
Mosher, G. C., 205
Mosher, H. P., 377
Moszkowicz, L., 502
Motz, G., 122
Mouchet, 52
Moulonguet, P., 356
Moutier, F., 276
Moynihan, Sir B., 473
Muller, G. P., 195
Muro, F., 220
Murray, G. R., 92
Mussey, R. D., 483, 484
Muzeniek, P., 189

Naumann, H., 462
Navarro, 469
Neill, T. E., 55
Nelson, R. F., 6
Nelson, S. H., 175
Nesbit, W., 97
Neugebauer, F., 226
New, G. B., 362
Newell, F. S., 205
Nicholson, B. B., 42, 52
Nickel, A. C., 461
Noguchi, H., 3
Nordio, A., 294
Nordmann, O., 277
Novak, E., 113
Nové-Josserand, G., 49
Nyström, G., 463

Ochsner, A., 97
Oddy, H. M., 58
Odelberg, A., 17
Odenthal, W., 290
O'Donovan, W. J., 315
Okinczyc, 190
Okinczyc, J., 19
Olch, I. Y., 384
Olivecrona, H., 310
Oliver, K. S., 261
Orbaan, C., 11
Orlando, R., 454
Ormond, J. K., 493
Osgood, R. B., 132, 309
Oulié, G., 486
Owen, H. R., 28

Palazzoli, 38
Palmer, A. C., 393
Pamperl, R., 465
Pancoast, H. K., 113, 453
Paolucci, F., 100
Papin, E., 40
Papin, M., 112
Paramore, R. H., 483
Parker, D. W., 98
Parker, W. R., 260
Paroli, G., 114
Pasteau, 39
Paterson, D., 275
Paterson, J. V., 359
Paterson, R., 375
Paton, J. H. P., 32
Patrick, C. V., 142
Paulson, M., 471
Pautrier, L. M., 182
Pavia, J. L., 4
Pearse, H. E., 505
Peet, M. M., 269
Pemberton, J. deJ., 500
Pendergrass, E. P., 113
Penfield, W., 10, 179, 270
Perdoux, 104
Perera, A., 95
Perman, E., 468
Permar, H. H. 131
Perrin, W. S., 38
Persson, M., 17
Peter, G., 230
Peterson, R., 113, 200
Petit, R., 395
Peynet, A., 356
Pfab, B., 308
Pfahler, G. E., 230
Pfeiffer, D. B., 26, 472
Piccardo, T. J., 111
Pick, L., 410
Pickhardt, O. C., 371, 381
Picot, 19
Pieri, G., 289
Pierson, P. H., 97
Pierson, R. N., 35
Pillet, 40
Pines, N., 88
Platou, E. S., 317
Polacco, E., 194
Polak, J. O., 199, 394, 480
Pomeroy, L. A., 291
Porcher, P., 276
Portmann, G., 1, 89, 176
Portmann, U. V., 93
Post, M. H., 509
Pototschnig, G., 21
Pouzet, F., 49, 307
Prati, M., 48
Pratt, J. P., 106
Proby, H., 89
Puccinelli, V., 279
Puccioni, L., 292
Puente, J. J., 454
Pugh, W. S., 213
Putti, V., 134, 420

Quick, D., 369
Quinby, W. C., 40

Rados, A., 173
Ramírez Corria, 456
Ramond, L., 99
Rascol, 485
Ravault, P., 137
Razzaboni, G., 106
Rebattu, J., 89
Redway, L. D., 358
Reese, A. B., 174
Reischauer, 467
Remer, J., 14
Reynolds, F. E., 456
Rhenter, J., 488
Richards, E. H., 88
Rienhoff, W. F., Jr., 264, 449
Rigano-Irrera, D., 109
Righetti, E., 46
Rissmann, P., 203
Rist, E., 457
Ritvo, M., 100
Rivière, M., 488
Robert, E. L., 499
Robert, J. T., 215
Robineau, 9, 366
Robins, S. A., 397
Robinson, V. P., 16
Roenne, H., 4, 260, 359
Roffo, A. H., 477
Rogers, M. H., 217
Rollier, A., 413

Rolnick, H. C., 408
Roques, F., 460
Rosenow, E. C., 357
Roubacheff, S., 181
Rouvière, H., 376
Roux-Berger, J. L., 30
Rowlands, M. J., 47
Rowlands, R. P., 22
Rowntree, L. G., 106, 387
Rubin, I. C., 291, 396, 478
Rucker, M. P., 206, 296
Rud, E., 198
Russ, S., 58
Ryerson, E. W., 49, 410

Sachs, L., 225
Sager, W. W., 363
Sampson, J. A., 201
Scalone, I., 180
Scarff, J. E., 372
Schaefer, W., 315
Schaffer, A. J., 2
Schall, LeR. A., 183
Schauffler, R. McE, 130
Schlanger, P., 385
Schlink, H. H., 398
Schultz, F. W., 317
Schmidt, H., 57
Schmieden, V., 281, 282
Schmiegelow, E., 263
Schmitz, H., 110, 198
Schoute, D., 11
Schreiber, M., 124
Schumacher, P., 206
Schumann, E. A., 203
Schwarz, F., 465
Schweizer, F., 402
Scott, G. M., 58
Scott, W. W., 406
Scudder, C. L., 418
Seco, A. C., 464
Secrétan, M., 404
Segura, V., 90
Sequeira, J. H., 315
Serés e Ibarz, 301
Seymour, H. F., 487
Shambaugh, G. E., 5
Sharpe, W., 365
Shaw, W., 32
Shaw, W. F., 32
Sheldon, R. F., 196
Sherwood, W. A., 22
Shipley, A. M., 13, 133
Short, A. R., 278
Shuster, B. H., 267
Sidbury, J. B., 6, 55
Siegel, I. A., 35
Simeoni, V., 455
Simon, F., 265
Simon, H. E., 397
Sims, T. H., 379
Sistrunk, W. E., 363
Slater, J. K., 456
Slye, M., 141
Smith, L. A., 377
Smith, R., 411
Smyth, D. C., 183
Smythe, A. M., 505
Snell, A. M., 106, 387, 388
Somberg, J. S., 175
Sonnenschein, H., 305
Sosman, M. C., 268
Soulas, A., 457
Soupault, R., 472
Sowers, A., 359
Speed, K., 418
Spence, A. W., 475
Sprawson, E., 2
Sprecher, 297
Sprengell, H., 289
Ssokolow, N. N., 142
Starlinger, F., 186
Stebbing, G. F., 134
Steinberg, M. E., 188
Steinhardt, B., 201
Stephens, V. R., 384
Stern, W. G., 505
Stevens, W. E., 496
Stewart, J. P., 175
Stewart, M. J., 385
Stone, H. B., 24
Stone, W. S., 60
Stricker, P., 44, 54
Stulz, E., 54
Sutherland, C. G., 498
Sutton, H. B., 506
Sweet, J. E., 29
Swift, G. W., 267
Sycamore, L. K., 47
Symonds, C. P., 175

Takahashi, A., 39, 40
Tanasescu, 190
Tapie, J., 375, 474
Taussig, F. J., 116
Tavernier, 130
Taylor, F. B., 464
Taylor, R. G., 411
Tebbutt, A. H., 178
Thalheimer, M., 467
Thomas, B. A., 215, 411
Thomas, G. J., 491
Thomas, H. M., Jr., 449
Thompson, G. H., 7
Thompson, T., 121
Thompson, W., 385
Thomson, Sir St. C., 266
Thomson-Walker, Sir J., 118
Todd, T. W., 409
Toland, C. G., 473
Tooke, F. T., 447
Török, E., 358
Torraca, L., 506
Towart, D., 36
Towne, E. B., 455
Troell, A., 44, 192, 449
Troisier, J., 7
Trotter, W., 283
Truesdale, P. E., 31
Tucker, G., 457
Tzovaru, S., 137

Ujhelyi, J., 404
Ullmann, H. J., 142, 316

Van Auken, W. B. D., 484
Van Den Wildenberg, L., 362
Van Heuven, J. A., 261
Vanlande, 19
Veau, M. V., 90
Verbrycke, J. R., Jr., 102, 288
Verryp, C. D., 447
Versteegh, C., 175
Vidgoff, I. J., 188
Villechaise, 52
Vlasto, M., 9

Wagener, H. P., 5
Wakeley, C. P. G., 415, 471
Walker, A., 399
Walker, K. M., 45
Wallace, J. O., 131
Wallace, V. G. H., 391
Walmsley, T., 411
Walter, A. B., 507
Walters, W., 386
Walton, A. J., 283, 450
Wangensteen, O. H., 392
Warthen, H. J., Jr., 225
Wasson, W. W., 14
Watson, B. P., 36
Watt, J. C., 61
Waugh, G. E., 379
Waugh, T. R., 123
Weill-Spire, R., 99
Weinberg, M., 508
Weintrob, M., 510
Weinzierl, E., 299
Weir, J. F., 388
Weirauk, H. V., 486
Weiss, S., 100
Werenskiold, B., 499
Wesson, M. B., 45
Westhues, H., 281
Wheeler, Sir W. I. DeC., 385
Whipple, A. O., 107
Whitehouse, B., 114
Whittemore, W., 373
Wicker, M., 196
Widmann, B. P., 230
Wildbolz, H., 42, 214
Wilkie, A. L., 391
Wilkie, D. P. D., 281
Williamson, G. S., 88
Williamson, H. C., 399
Willis, B. C., 474
Wilmer, W. H., 358
Wilmoth, C. L., 511
Wilson, J. St. G., 36
Wilson, P. D., 422
Winslow, N., 13
Wintz, H. L., 60
Womack, N. A., 140
Wood, F. C., 142
Woodhill, V. R., 178
Woolsey, J. H., 466
Woolston, W. H., 218
Wright, R. E., 174
Wuerdemann, H. V., 174

Yamamoto, T., 208
Yater, W. M., 501
Yudkin, A. M., 4

Zadek, I., 305
Zarate, H., 297
Zeyland, J., 130
Zillboorg, G., 487
Zinn, W. F., 184
Zubizarreta, H., 90
Zucarelli, J., 505